

Oscilloscope Probes and Accessories



PROBE SELECTION

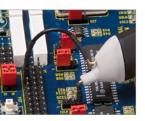
Teledyne LeCroy has a wide variety of world class probes and amplifiers to compliment its product line. From the ZS high impedance active probes to the DH Series Differential High-bandwidth Probes which offers bandwidths up to 30 GHz, Teledyne LeCroy probes and probe accessories provide optimum mechanical connections for signal measurement.



Front Cover:

DH Series Differential High-bandwidth Probes

	WaveSurfer 3000z Oscilloscopes	HDO4000A High Definition Oscilloscopes	WaveSurfer 4000HD High Definition Oscilloscopes	HDO6000B High Definition Oscilloscopes	WaveRunner 9000 Oscilloscopes	WaveRunner 8000HD High Definition Oscilloscopes, MDA8000HD Motor Drive Analysers	WavePro HD High Definition Oscilloscopes	WaveMaster/SDA 8 Zi-B Oscilloscopes	WaveMaster/SDA 8000HD Oscilloscopes	LabMaster 10 Zi-A Oscilloscopes
High Voltage Optically Isolated P	Probes - p. 4 - 5					<u> </u>				
DL03-ISO		/		1	1	/	/			
DL07-ISO		1		1	1	1	1			
DL10-ISO		1		✓	1	1	1			
60 V Common Mode Differential										
DL02-HCM	<i>s</i>	/		<i></i>	<u> </u>		<u> </u>	/		/
DL05-HCM	<u> </u>	<u> </u>	<i>s</i>	<u> </u>	<u> </u>		<u> </u>		<i>s</i>	<u> </u>
DL10-HCM Active Voltage Rail Probes - p. 8		•	•	v	~	v	~	v	•	v
RP2060	s-9 ✓		✓		✓		<i>✓</i>	✓	✓	
RP2000		✓ ✓	✓ ✓		✓ ✓		 ✓	✓ ✓	✓ ✓	✓ ✓
Active Voltage Probes - p. 10 - 1		•	•	•	•	•	•	•	•	•
ZS1000	··· ✓	✓	✓		✓		 ✓ 	✓	✓	1
ZS1500		· ·					· ·	· ·		· ·
ZS2500	•	•	•	•		•		· ✓		
ZS4000					1		1	1	1	1
Current Probes - p. 12 - 13										
CP030B	1	1	1	1	1	1	1	1	1	
CP031	1	1	1	1	1	1	1	1	1	
CP031A	1	1	1	1	1	1	1	1	1	
CP150B	1	1	1	1	1	1	1	1	1	
CP500	1	1	1	1	1	1	1	1	1	
CA10		1		1	1	1	1	1	1	
Differential Probes - p. 14 -19										
ZD200	1	1	1	1	1	1	1	1	1	1
ZD500	/	/	1	/	1	/	1	/	/	/
ZD1000	1	/	/	1	1	1	/	1	/	1
ZD1500	<u>ر ا</u>	<u> </u>	<u> </u>	<i>J</i>	<i>·</i>	<u> </u>	<u> </u>			✓
AP033 D410-A-PB2	~	V	~	~		v		<u> </u>	<u> </u>	
					<i></i>		<u> </u>	✓ ✓		✓ ✓
D420-A-PB2 D400A-AT-PB2							v	 ✓		✓ ✓
D400A-A1-PB2 D610-A-PB2					•		1	 ✓		
D610-A-PL							•	· ·		· ·
D620-A-PB2							1			1
D620-A-PL							•	· ·	· ·	
D600A-AT-PB2							1	· ·		<i>✓</i>
D600A-AT-PL								1	1	1
DH08-PB2								1	1	1
DH08-PL								1	1	1
DH13-PL								1	1	1
DH16-PL								1	1	1
DH20-PL								1	1	1









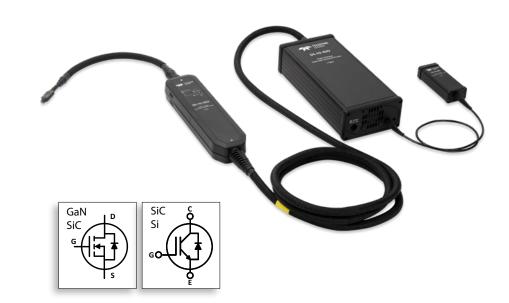
	WaveSurfer 3000z Oscilloscopes	HDO4000A High Definition Oscilloscopes	WaveSurfer 4000HD High Definition Oscilloscopes	HD06000B High Definition Oscilloscopes	WaveRunner 9000 Oscilloscopes	WaveRunner 8000HD High Definition Oscilloscopes, MDA8000HD Motor Drive Analysers	WavePro HD High Definition Oscilloscopes	WaveMaster/SDA 8 Zi-B Oscilloscopes	WaveMaster/SDA 8000HD Oscilloscopes	LabMaster 10 Zi-A Oscilloscopes
Differential Probes - p. 14 -19 (o DH25-PX	cont'd)									
DH25-PX DH30-PX										
DH25-2.92MM								1		1
DH30-2.92MM										
High Voltage Differential Probes	- p. 20 - 21									
HVD3102A	1	1	1	1	1	1	1	1	1	
HVD3106A	1	1	1	1	1	1	1	1	1	
HVD3106A-6M	1	1	1	1	1	1	1	1	1	
HVD3206A	1	1	1	1	1	1	1	1	1	
HVD3206A-6M	1	1	1	1	1	1	1	1	1	
HVD3220	1	1	1	1	1	1	1	1	1	
HVD3605A	1	1	1	1	1	✓	1	1	<i>✓</i>	
AP031	1		1	1	1	1	1	1	/	
High Voltage Probes - p. 22 - 23				<u> </u>						
HVP120	<u> </u>	/	<u> </u>	<u> </u>	<u> </u>		<u> </u>		<u> </u>	
PPE6KV-A High Voltage Fiber Optically Isola	-		~		~	v	,			
High Voltage Fiber Optically Isola	ated Probes -	p. 24 - 25 ✓			1		 ✓ 			
Optical-To-Electrical Converters		•	•	•	•	•	•	V	•	
OE695G	- p. 20									
Transmission Line Probes - p. 27	7									
PP066							1	1	1	1
Passive Probes - p. 28 - 29										
PP018		1								
PP019	1		1							
PP020	1									
PP021						1		1	1	
PP022					1					
PP023				1	,		1			
PP024					1	1		1	1	
PP025 PP026						V		v	v	
PP026 Probe Adapters - p. 30 - 31		•	v	v	_		v			
CA10					1					
TPA10	1		1	/	· ·		· ·	1	/	

Learn More: teledynelecroy.com/probes



HIGH VOLTAGE OPTICALLY ISOLATED PROBES

Teledyne LeCroy High Voltage Optically Isolated Probe Model Numbers: DL03-ISO DL07-ISO DL10-ISO



Key Features

- I GHz bandwidth
- Ideal for GaN and SiC devices
- 1.5% system accuracy
- 435 ps rise time
- High CMRR 160 dB
- Flexible connectivity options
- Autozero without disconnection

Key Applications

- Servers
- Motherboards
- Mobiles
- Lighting and building automation
- Residential inverters
- UPS
- Switch Mode Power Supplies
- Motors in household and commercial appliances

The DL-ISO enables highest confidence in GaN and SiC device characterization with highest accuracy, best signal fidelity, and comprehensive connectivity.

Best Probe for GaN and SiC

With 1 GHz of bandwidth, 2500 V differential input range, and 60 kV common mode, DL-ISO probes are perfect for both GaN and SiC device characterization and system development engineers.

Highest Accuracy

Combine DL-ISO probes with industryleading 12-bit resolution High Definition Oscilloscopes (HDOs) to get 1.5% system accuracy, nearly twice as good as the alternate solution in the market.

Best Signal Fidelity

During measurements, getting the most faithful representation of the signal can be elusive. DL-ISO overcomes that challenge by delivering the industry's best signal fidelity with the fastest rise time, lowest overshoot, and low DUT loading.

Comprehensive Connectivity

DL-ISO probes increase measurement confidence by employing high-quality coaxial attenuating tips that reject unwanted noise and terminate into test boards using industry standard MMCX connectors or high-voltage safe square pin headers.



Learn More: teledynelecroy.com/powerprobes/#dl-iso

HIGH VOLTAGE OPTICALLY ISOLATED PROBES

Bandwidth		DL03-ISO: 350 MHz	DL07-ISO: 700 MI	dz DL10-ISO:	1 GHz					
Rise Time (10-90)%)	DL03-ISO: 1.1 ns	DL07-ISO: 575 ps	DL10-ISO:						
Differential Volta			fferent attenuating tips		100 p0					
(Pk to Pk)	.ge	2 2000	increase accordancy apo							
Common Mode V	/oltage Range	±60 kV (DC+Peak AC) (not for hand-held use,	must maintain adeo	uate spa	cina betw	een probe	componer	nts & earth	around
			(not for hand-held use,							
		DL-ISO-2V-TIP:	50 V	DL-ISO-10V		100 V				0
(DC+Peak AC)	-	DL-ISO-40V-TIP:	250 V	DL-ISO-200		300 V				
• • • • • • • • • • • •		DL-ISO-1000V-TIP:		DL-ISO-250			div to 1.01	1/-1:		
Sensitivity		DL-ISO-2V-TIP: DL-ISO-40V-TIP: DL-ISO-1000V-TIP:	20 mV/div to 250 mV/d 400 mV/div to 5 V/div 10 V/div to 125 V/div	liv DL-ISO-10V DL-ISO-200 DL-ISO-250	V-TIP:	2 V/div to	div to 1.3 \ o 25 V/div to 320 V/c	, -		
DC Gain Accurac	v	1.5% (after Precision								
DC Gain Drift	,	<1%/°C								
Offset		DL-ISO-2V-TIP:	±25 V	DL-ISO-10V		±50 V				
		DL-ISO-40V-TIP:	±150 V	DL-ISO-200		±150 V				
nnut Imnedence		DL-ISO-1000V-TIP:	±1000 V	DL-ISO-250			1			
nput Impedance	2	DL-ISO-2V-TIP: DL-ISO-40V-TIP:	200 kΩ 3.6 pF 1 MΩ 2.1 pF	DL-ISO-10V DL-ISO-200		1 MΩ 2 7.5 MΩ				
		DL-ISO-1000V-TIP:	8 MΩ 1.5 pF	DL-ISO-250						
Output Terminati	ion	50 Ω								
nput/Output Co	upling	DC only								
Interface		ProBus								
Cable Length		3.375 m (11 feet) fro	m probe tip to oscillosc	ope connection						
Noise, Rejection	, and Electroma	agnetic Compatibility	(EMC)							
Noise				CMRR						
DL-ISO-2V-TIP	1 GHz	700 MHz	350 MHz	Probe Tip	DC	1 MHz	100 MHz	200 MHz	500 MHz	1 GHz
50 mV/div	1.98 mVrms	1.78 mVrms	1.12 mVrms	DL-ISO-2V-TIP	160 dB	110 dB	90 dB	90 dB	80 dB	75 dB
100 mV/div	3.37 mVrms	3.00 mVrms	2.25 mVrms	DL-ISO-10V-TIP	160 dB	100 dB	75 dB	75 dB	65 dB	65 dB
200 mV/div	9.22 mVrms		4.49 mVrms	DL-ISO-40V-TIP	150 dB	100 dB	70 dB	60 dB	60 dB	50 dB
Noise scales pro	portional to 2 V	tip voltage capability		DL-ISO-200V-TIP	140 dB	95 dB	55 dB	50 dB	45 dB	35 dB
10 V tip noise wil	ll be 10/2 = 5x of	⁺ 2 V tip		DL-ISO-1000V-TIP	125 dB	85 dB	30 dB	35 dB	25 dB	20 dB
				DL-ISO-2500V-TIP	115 dB	80 dB	25 dB	30 dB	25 dB	15 dB
Electrostatic Dis Immunity	scharge (ESD)	8 kV contact dischar	ge and 10 kV air discha	rge per IEC61000-4	1-2, criter	ia A				
Radiated RF Elec Field Immunity		Up to 25 V/m (80 MH	Iz to 2.7 GHz) per IEC61	000-4-3, criteria A	when ope	erating in	standard	configurat	ion	
Immunity to Con Disturbance Inde RF Fields		Up to 10 V (150 kHz	to 80 MHz) per IEC610()0-4-6, criteria A wł	nen opera	iting in st	andard co	nfiguration	٦	
Environmental										
Temperature			ng in standard configura							
Humidity			ondensing), 75% RH abo		bove 40°0)				
Altitude			ting), 10,000 m (non-op	erating)						
Pollution Degree	9	2, Indoor Use Only								
Certifications										
CE Declaration o	of Conformity	EMC Directive 2014/3	e 2014/35/EU (IEC/EN 6 30/EU (IEC/EN 61326-1: 1/65/EU (IEC/EN 63000	2013; IEC/EN 61326	19; IEC/EI 5-2-1:2013	N 61010-2 3)	2-030:202	1)		
Laser Product ce	ertifications		i; US 21CFR Part 1010; l)					
	•									
	lion								Produ	ıct Cod
	antionally local -									00.107
High Voltage C			i altia							
High Voltage C High Voltage Opt	tically Isolated F	Probe, 350 MHz Bandv								
High Voltage Opt High Voltage Opt High Voltage Opt	tically Isolated F tically Isolated F	Probe, 350 MHz Bandv Probe, 700 MHz Bandv	vidth						DI	L07-IS0
High Voltage C High Voltage Opt High Voltage Opt High Voltage Opt	tically Isolated F tically Isolated F tically Isolated F	Probe, 350 MHz Bandv Probe, 700 MHz Bandv Probe, 1 GHz Bandwid	vidth						DI	L07-ISC
High Voltage O High Voltage Opt High Voltage Opt High Voltage Opt Accessories (mu	tically Isolated F tically Isolated F tically Isolated F ust be ordered s	Probe, 350 MHz Bandv Probe, 700 MHz Bandv Probe, 1 GHz Bandwid	vidth						DI	<u>L07-ISC</u> L10-ISC
High Voltage O High Voltage Opt High Voltage Opt High Voltage Opt Accessories (mu DL-ISO 2 V MMC	tically Isolated F tically Isolated F tically Isolated F ust be ordered s X Tip	Probe, 350 MHz Bandv Probe, 700 MHz Bandv Probe, 1 GHz Bandwid	vidth						DI DI DL-ISO	L <u>07-ISC</u> L10-ISC)-2V-TIF
High Voltage O High Voltage Opt High Voltage Opt High Voltage Opt Accessories (mu DL-ISO 2 V MMC DL-ISO 10 V MM	tically Isolated F tically Isolated F tically Isolated F ust be ordered s X Tip CX Tip	Probe, 350 MHz Bandv Probe, 700 MHz Bandv Probe, 1 GHz Bandwid	vidth						DI DI DL-ISO DL-ISO-	L07-ISC L10-ISC D-2V-TIF 10V-TIF
High Voltage O High Voltage Opt High Voltage Opt High Voltage Opt Accessories (mu DL-ISO 2 V MMC DL-ISO 10 V MM DL-ISO 40 V MM	tically Isolated F tically Isolated F tically Isolated F Ist be ordered s X Tip CX Tip CX Tip CX Tip	Probe, 350 MHz Bandv Probe, 700 MHz Bandv Probe, 1 GHz Bandwid	vidth						DL-ISO DL-ISO DL-ISO-	L07-ISC L10-ISC 0-2V-TIF 10V-TIF 40V-TIF
High Voltage O High Voltage Opt High Voltage Opt High Voltage Opt Accessories (mu DL-ISO 2 V MMC DL-ISO 10 V MM DL-ISO 40 V MM DL-ISO 200 V MM	tically Isolated F tically Isolated F tically Isolated F Ist be ordered s X Tip CX Tip CX Tip MCX Tip	Probe, 350 MHz Bandv Probe, 700 MHz Bandv Probe, 1 GHz Bandwidt Probe, 1 GHz Bandwidt	vidth						DL-ISO- DL-ISO- DL-ISO-4 DL-ISO-20	L07-ISC L10-ISC 0-2V-TIF 10V-TIF 40V-TIF 20V-TIF
High Voltage Opt	tically Isolated F tically Isolated F tically Isolated F Ist be ordered s X Tip CX Tip CX Tip MCX Tip igh-voltage 0.2"	Probe, 350 MHz Bandv Probe, 700 MHz Bandv Probe, 1 GHz Bandwidt eparately) square pin Tip	vidth						DL-ISO DL-ISO DL-ISO-	40V-TIF 20V-TIF 20V-TIF

DL-ISO accessories kit (Incl MMCX to Y-lead sockets/solder-ins, square pin socket/solder-ins, MMCX-sq pin adapter, grabbers)

DL-ISO-ACC-KIT

60 V COMMON MODE DIFFERENTIAL PROBES

Teledyne LeCroy 60 V Common Mode Differential Probe Model Numbers: DL02-HCM DL05-HCM DL10-HCM

Key Applications

- 48 V motors and drives
- High-power DC-DC converters
- GaN-based PDNs
- AC-DC switch-mode power supplies
- Wireless charging systems
- Gate-drive measurements

Key Features

Ideal probe for 48 V Power Conversion

- 250 MHz, 500 MHz and 1 GHz bandwidth
- 80 V dynamic range
- 60 V common mode

Highest accuracy

- 0.5% gain accuracy
- Precision gain calibration
- Best LF flatness (0.1 dB)

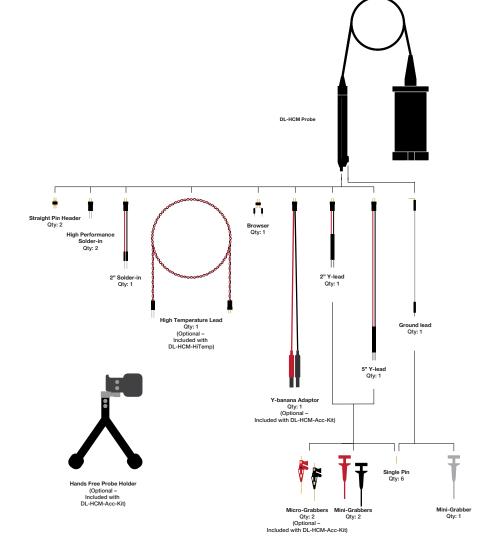
Lowest noise and highest rejection

Wide variety of tips

- High performance solder-in
- Browser
- Single pins and header
- Mini and micro grabbers
- Socketed connections
- High temp solder-in
- Y-banana adaptor



The 60 V Common Mode Differential Probes are the ideal probes for low voltage GaN power conversion measurement with the highest accuracy, best CMRR, and lowest noise.



60 V COMMON MODE DIFFERENTIAL PROBES

	DL02-HCM	DL05-HCM	DL10-HCM
Bandwidth*	250 MHz (gauranteed, without leads)	500 MHz (guaranteed, without leads)	1 GHz (guaranteed, without leads)
	250 MHz (Browser)	500 MHz (High performance solder-in	1 GHz (High performance solder-in
	250 MHz (2"" Y-lead)	and browser)	and browser)
	250 MHz (5"" Y-lead)	500 MHz (2" Y-lead/solder-in)	800 MHz (2" Y-lead)
	30 MHz (Hi-Temp lead)	500 MHz (5" Y-lead)	700 MHz (solder-in)
		30 MHz (Hi-Temp lead)	500 MHz (5" Y-lead)
			30 MHz (Hi-Temp lead)
Rise Time (10-90%)*	1400 ps	700 ps	350 ps
Differential Voltage Range	80 V (DC + peak AC) from 200 mV/div t	to 20 V/div	
Common Mode Voltage Range	±60 V (DC + peak AC)		
Maximum Input Voltage to Earth	80 V (DC + peak AC), max 60 V DC (eith	ner input to ground)	
Maximum Safe Input Voltage	For Hand-held use: 28.28 Vrms or 60 V	/ DC (referenced to ground) per IEC/EN	61010-031:2015
Sensitivity	200 mV/div to 1 V/div (7.8x)		
-	1.02 V/div to 2.5 V/div (17.5x)		
	2.55 V/div to 20 V/div (70x)		
DC Gain Accuracy	±0.5% (guaranteed)		
DC Gain Drift	≤ 0.075%/°C, can be calibrated out with	h precision gain cal	
Frequency Response Flatness	DC to 50 MHz: 0.1dB	DC to 100MHz: 0.1 dB	
Offset Range	±60V		
Attenuation	7.8x / 17.5x / 70x		
Input Impedance	200 kΩ 0.6 pF (between inputs), 100	kΩ 1 pF (either input to ground)	
Input/Output Coupling	DC		
Output Termination	50 Ω		
Interface	ProBus		
Cable Length	1.42 m from probe sockets to oscilloso	cope connection	
Noise and Rejection			
CMRR	DC - 10 kHz: 80 dB	DC - 10 kHz: 80 dB	DC - 10 kHz: 80 dB
	100 kHz: 70 dB 1 MHz: 55 dB	100 kHz: 70 dB 1 MHz: 55 dB	100 kHz: 70 dB 1 MHz: 55 dB
	100 MHz: 50 dB	100 MHz: 50 dB	100 MHz: 50 dB
	250 MHz: 40 dB	500 MHz: 35 dB	1 GHz: 30 dB
Noise (Probe)	200 mV/div to 1 V/div: 2.7 mVrms	200 mV/div to 1 V/div: 3.25mV _{rms}	200 mV/div to 1 V/div: 4.3mV _{rms}
	1.02 V/div to 2.5 V/div: 3.5 mVrms	1.02 V/div to 2.5 V/div: 4.5mV	1.02 V/div to 2.5 V/div: 6mV
	2.55 V/div to 20 V/div: 10.25 mVrms	2.55 V/div to 20 V/div: 14.5mV	2.55 V/div to 20 V/div: 20mV
Environmental			
Temperature	0°C to 50°C (Operating), -40°C to 70°C	(Non-Operating)	
Humidity (Operating)		0 30°C, decreasing linearly to 45% RH at	50°C
Humidity (Non-Operating)	5% to 95% RH (Non-Condensing), 75%		
Altitude (Operating)	Up to 3000 m (9842 ft)		
Certifications			

* All Bandwidth and Rise Time measurements are made without leads and an oscilloscope bandwidth greater than the probe bandwidth.

Ordering Information

Product Description

Product Description	Product Code
250 MHz 60V Common Mode Differential Probe. Includes standard set of leads and tips.	DL02-HCM
500 MHz 60V Common Mode Differential Probe. Includes standard set of leads and tips.	DL05-HCM
1 GHz 60V Common Mode Differential Probe. Includes standard set of leads and tips.	DL10-HCM
DL-HCM series high-temperature solder-in tip, 30 MHz bandwidth, 1 meter length.	DL-HCM-HiTemp
DL-HCM series accessories kit with probe holder, micro IC grabbers (Qty 2.), and Y-banana adaptor.	DL-HCM-Acc-Kit

DL02-HCM	DL05-HCM and DL10-HCM
Standard leads and tips	Standard leads and tips
Browser	High performance solder-in tips (Qty. 2)
Y-lead socket (5")	2" solder-in tip
Ground lead	Browser
Single pin (Qty. 6)	Y-lead socket (2" and 5")
Straight pin header (Qty. 2)	Mini grabbers (Qty. 3)
	Ground lead
	Single pin (Qty. 6)

Straight pin header (Qty. 2)

Learn More: teledynelecroy.com/powerprobes/#dl-hcm



ACTIVE VOLTAGE RAIL PROBE

Teledyne LeCroy Active Voltage Rail Probe Model Number:

RP2060 RP4060

Key Features

Up to 4 GHz Bandwidth

±60 V Offset Capability

±800 mV Dynamic Range

50 kΩ DC Input Impedance

1.2x Attenuation for low additive noise

MCX terminated cable with wide variety of connections:

- Solder-in (4 GHz)
- Coaxial Cable to U.FL receptacle (3 GHz)
- MCX PCB Mount (4 GHz)
- Browser (500 MHz)

ProBus Interface



The RP4060 and RP2060 probes are designed specifically to probe low-impedance DC power/voltage rails. Low attenuation means a lownoise view of small signal variations at high frequency, while the probe's built-in offset of up to ±60V enables compensation for the rail's DC voltage. The probe's high DC input impedance eliminates loading of the low-impedance DC rail.

Large Offset Range

Permits the DC signal to be displayed in the vertical center of the oscilloscope grid with a high-sensitivity gain setting.

Low Attenuation and Noise

The probe attenuation is a nominal 1.2x coupled to the oscilloscope at DC 50 Ω . This keeps additive noise to a minimum, and makes it exceptionally useful with Teledyne LeCroy's 12-bit High Definition oscilloscopes for lowest noise at highest sensitivity gain settings.

High DC Input Impedance

50 k Ω input impedance at DC effectively eliminates probe loading on the DC power/voltage rail and provides for more accurate measurements and signal fidelity.

High Bandwidth

The RP4060 provides 4 GHz of bandwidth, for power integrity characterization of the highest performance computing and embedded systems. The RP2060 provides the same excellent noise and loading performance in a lower-cost 2 GHz probe.

Wide Assortment of Tips and Leads

The RP4060 and RP2060 are supplied standard with solder-in and coaxial cables with MCX and U.FL PCB receptacle mounts. Receptacles or leads can be left connected in circuit for easy connection of different signals. A browser tip is optionally available.

ACTIVE VOLTAGE RAIL PROBE

Specifications	RP2060	RP4060			
Electrical Characteristics					
Bandwidth	0.011	1.011			
MCX receptacle	2 GHz	4 GHz			
Solder-in lead	2 GHz	4 GHz			
U.FL cable + receptacle	2 GHz	3 GHz			
Browser		MHz			
Rise Time (10-90%)	220 ps	110 ps			
Input Capacitance	0.1 uF (in ser				
DC Input Resistance		kΩ			
Offset Range		0V			
Attenuation		2x			
Input Dynamic Range) mV			
Non-destruct Voltage	±100 V (DC	· · · · · · · · · · · · · · · · · · ·			
Maximum Non-destruct AC Voltage		ope input limit			
Maximum Safe Input Voltage		l use: 60 V DC			
	(referenced to ground)				
		010-031:2015			
Noise (probe only)	110 uVrms	160 uVrms			
Oscilloscope Termination	DC	50Ω			
Environmental					
	0 to 1	50.00			
Operating Temperature Range	-40 to -	50 °C			
Non-operating Temperature Range Humidity		non-condensing)			
Humaity		easing linearly to			
		at 50 °C			
Operating Altitude	3000 meter				
operating Antidae	0000 meter	STICAIITICITI			
Physical					
RP2060/RP4060	Pro	be:			
	38.1 mm W x 15.9	9mm H x 73mm L			
	(1-1/2" x 5/	8" x 2-7/8")			
		CX Cable:			
	914mm	n L (36″)			
		der-in Lead:			
) usable length			
		g Coaxial Cable:			
		usable length			
RP4000-BROWSER		mm H x 38mm L			
	(15/32" x 3/	,			
		MA Cable:			
	1111 (38-3/8°)	usable length			
Other					
other					

Oscilloscope Interface	Teledyne LeCroy ProBus		
Software Requirements	MAUI 10.2 or	MAUI 10.1 or	
	higher	higher	
Weight	119 g (0.26 lb)		

Ordering Information

Product Description	Product Code
Power/Voltage Rail Probe 2 GHz, 1.2x, ±60V offset, ±800mV dynamic range	RP2060
Power/Voltage Rail Probe 4 GHz, 1.2x, ±60V offset, ±800mV dynamic range	RP4060

Includes Qty. 1 ProBus compatible probe offset amplifier with 50 kΩ DC input impedance and SMA input connection for provided 0.9m SMA to MCX extension cable. Also supplied are Qty. 3 MCX solder-in leads, Qty. 3 MCX PCB Mounts, Qty. 3 MCX to U.FL coaxial cables, Qty. 5 U.FL PCB Mounts, Qty. 1 MCX to SMA adapter, and soft carrying case. Browser tip sold separately. 500 MHz Browser Tip Accessory RP4000-BROWSER

500 MHz Browser Tip Accessory Includes 0 Ω (1x), 450 Ω (10x) and 950 Ω (20x) tips.



Accessories and Consumables

Qty. 3 MCX 4 GHz solder-in leads

RP4000-MCX-LEAD-SI

Learn More: teledynelecroy.com/probes/ active-voltage-rail-probe



ZS SERIES ACTIVE PROBES

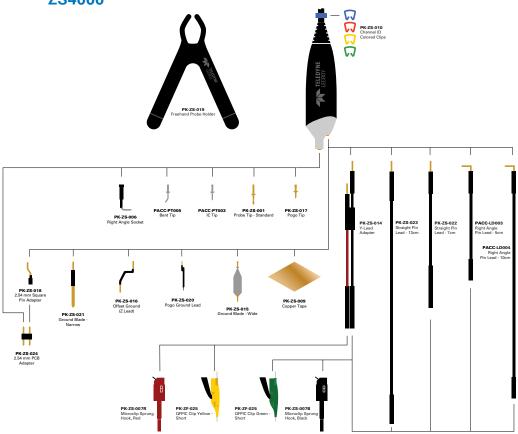


Teledyne LeCroy Active Voltage Probe Model Numbers:

ZS1000 ZS1500 ZS2500 ZS4000 The ZS Series probes are high impedance, low capacitance active probes that maintain high signal fidelity through 4 GHz. A small form factor and a wide variety of accessories ensures the ZS probe meets every difficult probing challenge.

Engineers must commonly probe high frequency signals with high signal fidelity. Typical passive probes with high input R and C provide good response at lower frequencies but inappropriately load the circuit and distort signals at higher frequencies. The ZS Series features both high input R (1 M Ω) and low input C (0.6 pF and 0.9 pF) to reduce circuit loading across the entire probe/oscilloscope bandwidth. The ZS1000 is ideal for 200–600 MHz oscilloscopes. The ZS1500 is ideal for 1 GHz oscilloscopes, the ZS2500 is ideal for 2 GHz oscilloscopes, and the ZS4000 is ideal for 2.5 GHz and 4 GHz oscilloscopes.



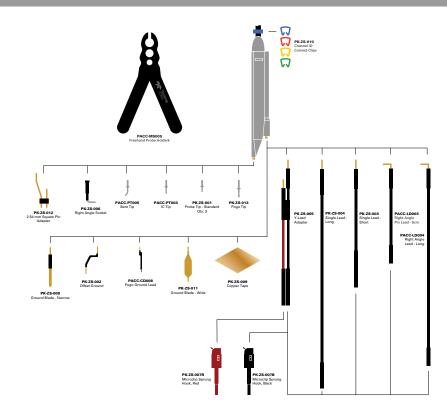




Learn More: teledynelecroy.com/probes/ active-voltage-probes

ZS SERIES ACTIVE PROBES

ZS1000 ZS1500 ZS2500



Ordering Information

Product Description	Product Code
4 GHz, 0.6 pF, 1 M Ω High Impedance Active Probe	ZS4000
2.5 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe	ZS2500
1.5 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe	ZS1500
1 GHz, 0.9 pF, 1 M Ω High Impedance Active Probe	ZS1000
Set of 4 ZS2500, 2.5 GHz, 0.9 pF, 1 M Ω High Impedance Active Probes	ZS2500-QUADPAK
Set of 4 ZS1500, 1.5 GHz, 0.9 pF, 1 M Ω High Impedance Active Probes	ZS1500-QUADPAK
Set of 4 ZS1000, 1 GHz, 0.9 pF, 1 M Ω High Impedance Active Probes	ZS1000-QUADPAK

Specifications ZS1000 ZS1500 ZS2500 ZS4000

Electrical Characteristics

Probe Bandwidth	1 GHz	1.5 GHz	2.5 GHz	4 GHz			
Input Capacitance		0.9 pF C					
DC Input Resistance		1	MΩ				
Probe Offset Range	N/A ±12 V						
Attenuation	÷10						
Input Dynamic Range	±8 V						
Non-destruct Voltage		20 V					

General Characteristics

Cable Length

1.3 m

Standard Accessory/Quantity

Accessory Description	Replacement Part Number	ZS1000 ZS1500 ZS2500	ZS4000
2.54 mm PCB Adaptor	PK-ZS-024		5
2.54mm Square Pin Adapter	PK-ZS-012	1	
2.54mm Square Pin Adaptor	PK-ZS-018		1
IC Tip	PACC-PT003	1	1
Bent Tip	PACC-PT005	1	1
Channel ID Clips (Set of 4 colors)	PK-ZS-010	4	1
Copper Tape Pad	PK-ZS-009	2	2
Freehand Probe Holder	PK-ZS-019		1
Freehand Probe Holder	PACC-MS005	1	
Ground Blade – Narrow	PK-ZS-008	1	
Ground Blade – Wide	PK-ZS-011	1	
Ground Blade, Narrow	PK-ZS-021		1
Ground Blade, Wide	PK-ZS-015		2
Micro-Grabber Pair	PK-ZS-007R and PK-ZS-007B	1	2
Offset Ground	PK-ZS-016		2

Accessory Description	Replacement Part Number	ZS1000 ZS1500 ZS2500	ZS4000
Offset Ground – Z Lead	PK-ZS-002	1	
Pogo Ground Lead	PK-ZS-020		1
Pogo Ground Lead	PACC-CD008	1	
Pogo Tip	PK-ZS-017		3
Pogo Tip	PK-ZS-013	1	
Probe Tip – Standard	PK-ZS-001	3	3
QFPIC Clips (set of 2)	PK-ZS-025		1
Right Angle Lead – Long	PACC-LD004	1	1
Right Angle Lead – Short	PACC-LD003	1	1
Right Angle Socket	PK-ZS-006	1	1
Straight Pin Lead – Long	PK-ZS-023		1
Straight Pin Lead – Long	PK-ZS-004	1	
Straight Pin Lead – Short	PK-ZS-022		1
Straight Pin Lead – Short	PK-ZS-003	1	
Y Lead Adapter	PK-ZS-005	1	
Y Lead Adaptor	PK-ZS-014		1

CURRENT PROBES



Teledyne LeCroy Current Probe and Adapter Model Numbers: CP030 CP030A CP031A CP031A CP150 CP500 DCS025 CA10

Key Features

CP030B

— 30 A_{ms} continuous current

- ProBus active probe interface withautomatic scaling in A/div
- Autozero and degauss capabilities built into instrument's user interface
- Wide range of input currents and bandwidth capabilities





CP031A - 30 A_{ms} continuous current - 50 A_{beak} current

- 100 MHz bandwidth
- 1 mA/div sensitivity



- 30 A_{ms} continuous current

- 50 A_{neak} current

- 100 MHz bandwidth

CP150B — 150 A_{ms} continuous current — 500 A_{mak} current

— 10 MHz bandwidth



CP500

- 500 A_{ms} continuous current
- 700 A_{peak} current
- 2 MHz bandwidth



- DCS025
- Precise deskew of voltage and current probes.
- Compatible with the CP030, CP030A, CP031, CP031A, AP015, CP150, and CP500



Learn More: teledynelecroy.com/powerprobes/ #current



CA10 Current Sensor Adapter

The CA10 enables a third-party current measurement device to operate like a Teledyne LeCroy probe. The CA10 is programmable and customizable to work with third-party current measurement devices that output voltage or current signals proportional to measured current. (See page 50 for more information and specifications).

Specifications Electrical Characteristics	CP030-3M	CP030B	CP031	CP031A	CP150B (CP150-6M)	CP500
Max. Continuous Input Current		30 /	A _{rms}		150 A _{rms}	500 A _{rms}
Bandwidth	10 MHz	50 MHz	Hz 100 MHz		10 MHz (5 MHz)	2 MHz
Rise Time (typical)	≤ 35 ns	≤ 7 ns	≤ 7 ns ≤ 3.5 ns		≤ 35 ns (≤ 70 ns)	≤ 175 ns
Max. Peak Current					300 A _{peak} (non-continuous); 500 Apeak ≤ 30 µs	700 A _{peak} (non-continuous)
Output Voltage	0.1 V/A	0.1 V/A & 1 V/A	0.1 V/A	0.1 V/A & 1 V/A	0.01 V/A & 0.1	V/A
Max Continuous Input Current at 1 V/A (100mA/div or less)	-	5 A	-	5 A	-	
Offset Range at 1V/A (100mA/div or less)	-	±5 A	-	±5 A	-	
Minimum Sensitivity	10 mA/div	mA/div 1 mA/div 10 mA/div 1 mA/div 100 mA/div			V	
Low-Frequency Accuracy				1%		
AC Noise at 20 MHz BWL	≤ 2.5 mA	≤ 150 µA	≤ 2.5 mA	≤ 150 µA	≤ 1.8 mA	≤ 8.0 mA
Coupling				AC, DC, GND		

General Characteristics

Cable Length	1.5 m (3 m)	1.5 m			2 m (6 m)	6 m
Weight	240 g (290 g)	236 g	240 g	260 g	490 g (600 g)	630 g
Max. Conductor Size (Diameter)	5 mm			20 mm		
Interface	ProBus, 1 MΩ only					
Usage Environment	Indoor					
Operating Temperature	0° C to 40° C					
Max. Relative Humidity	80%					
Max. Altitude	2000 m					
Measurement Category	No rated measurement category					

"Not intended for measurements on circuits directly connected to Mains supply or within Measurement Categories II, III, or IV. These probes are compatible with any Teledyne LeCroy oscilloscope with a ProBus interface running firmware version 9.3.x.x or greater"

Ordering Information

Product Description	Product Code
30A; 10 MHz Current Probe - AC/DC, 30 Arms; 50 A Peak Pulse, 3 meter cable (not EMC compliant)	CP030-3M
30 A; 50 MHz High Sensitivity Current Probe – AC/DC; 30 Arms; 50 A Peak Pulse, 1.5 meter cable	CP030B
30 A; 100 MHz Current Probe – AC/DC; 30 Arms; 50 A Peak Pulse, 1.5 meter cable	CP031
30 A; 100 MHz High Sensitivity Current Probe – AC/DC; 30 Arms; 50 A Peak Pulse, 1.5 meter cable	CP031A
150 A; 10 MHz Current Probe – AC/DC; 150 A _{rms} ; 300 A Peak Pulse, 2 meter cable	CP150B
150 A; 5 MHz Current Probe – AC/DC; 150 Arms; 500 A Peak Pulse, 6 meter cable (not EMC compliant)	CP150-6M
500 A; 2 MHz Current Probe – AC/DC; 500 Arms; 700 A Peak Pulse, 6 meter cable	CP500
Deskew Calibration Source	DCS025

\leq 1.5 GHz DIFFERENTIAL PROBES



Teledyne LeCroy ≤1.5 GHz Differential Probe Model Numbers:

ZD200 ZD500 ZD1000 ZD1500 AP033 The ZD Series probes provide wide dynamic range, excellent noise and loading performance and an extensive set of probe tips, leads, and ground accessories to handle a wide range of probing scenarios. The low 1 pF capacitance means this probe is ideal for all frequencies. The ZD Series differential probes provide full system bandwidth for all Teledyne LeCroy Oscilloscopes 1.5 GHz and lower.

Fully Integrated

With the ProBus interface, the ZD500, 1000, and 1500 become an integral part of the oscilloscope. All probe gain and offset controls are transparent to the user, making it easier to probe the circuit without concern for which gain setting to choose. When used with a Teledyne LeCroy digital oscilloscope, no external power supply is required.

Wide Dynamic Range

The ZD500, 1000, 1500 probes provide transparent probe attenuation so signals are always optimized for the display. The differential range is $18 V_{p-p}$ with a differential offset of ±8V and common mode range of ±10 V, making these probes versatile for every probing application.

Wide Applications

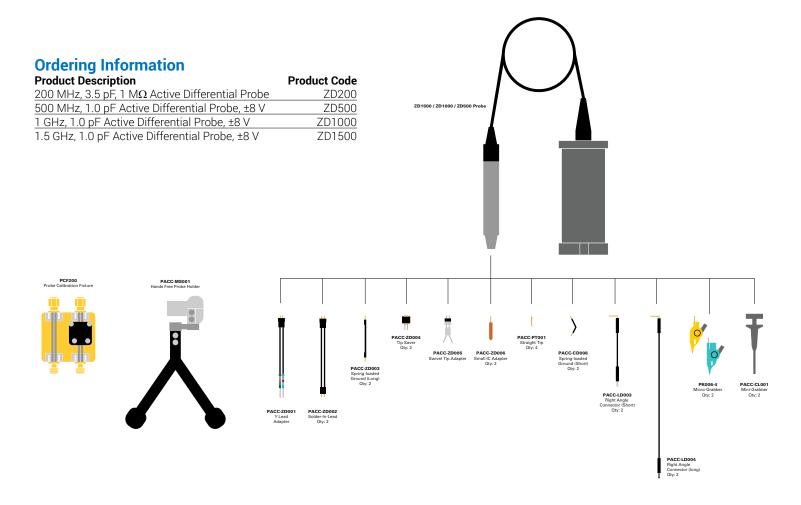
The wide dynamic range of 16 V_{p-p} and offset range of ±8V suit this probe to a wide range of applications and signal types. The ZD differential probes are ideally suited for Automotive, Serial Data, power, and general purpose use.

Specifications	ZD200	ZD500	ZD1000	ZD1500
Electrical Characteristics				
Bandwidth (Warranted)	200 MHz	500 MHz	1000 MHz	1500 MHz
Bandwidth (Typical)	-	650 MHz	1200 MHz	1700 MHz
Risetime 10–90% (Typical)	1.75 ns	650 ps	375 ps	270 ps
Risetime 20–80% (Typical)	-	500 ps	280 ps	200 ps
LF Attenuation Accuracy (Warranted)	1%		2%	
Zero Offset (Typical) (within 15 minutes after autozero)	-		5 mV	
System Noise (Typical)	-	1.3 mVrms	1.75 г	mVrms
Probe Noise Density (Typical)	3 mV _{rms}		38 nV/rt (Hz)	
Input Differential Range (Nominal)	± 20 V	±8 V (16 V _P -p)		
Differential Offset Range (Nominal)	-	±18 V		
Offset Gain Accuracy (Typical)	-		2%	
Common Mode Range (Nominal)	± 60 V		±10 V	
Maximum Non-destruct Voltage (Nominal)	-		30 V	
CMRR (Typical)	80 dB @ 60 Hz 50 dB@10 MHz	60 dB 50/60 Hz 30 dB 20 MHz 25 dB 500 MHz	60 dB 50/60 Hz 30 dB 20 MHz 25 dB @ 1000 MHz	60 dB 50/60 Hz 30 dB 20 MHz 25 dB @ 1500 MHz
DC Input Resistance (Nominal)	250 k Ω (Common Mode) 1 M Ω (Differential Mode)) 50 k Ω (Common Mode) 120 k Ω (Differential Mode)		
Differential Input Capacitance (Typical)	3.5 pF		< 1.0 pF	



Learn More: teledynelecroy.com/probes/ differential-probes-1500-mhz

\leq 1.5 GHz DIFFERENTIAL PROBES



AP033

High bandwidth, excellent common-mode rejection ratio (CMRR) and low noise make these active differential probes ideal for applications such as disk drive design and failure analysis, as well as wireless and data communication design.



Specifications

opeenications	
Bandwidth	500 MHz
Gain	x10, x1, ÷10 (÷100 with plug-on ÷10 attenuator)
DC Accuracy	1% in x1 without external attenuator
Input Resistance	1 $\text{M}\Omega$ each input to ground 2 $\text{M}\Omega$ differential between inputs
Differential Mode Range	±400 mV (x1) ±40 mV (x10) ±4 V (÷10) ±40 V (÷100)
Offset Range	±400 mV (x1, x10) ±4 V (±10) ±40 V (±100)
Common-Mode Range	±42 V peak (±10) +4.2 V peak (±100)
CMRR	70 Hz 10,000:1 (80 dB) 100 kHz 10,000:1 (80 dB) 1 MHz 1000:1 (60 dB) 10 MHz 100:1 (40 dB) 250 MHz 5:1 (14 dB)

Ordering Information

Product Description 500 MHz Differential Probe Product Code AP033

4 GHz - 6 GHz DIFFERENTIAL PROBES



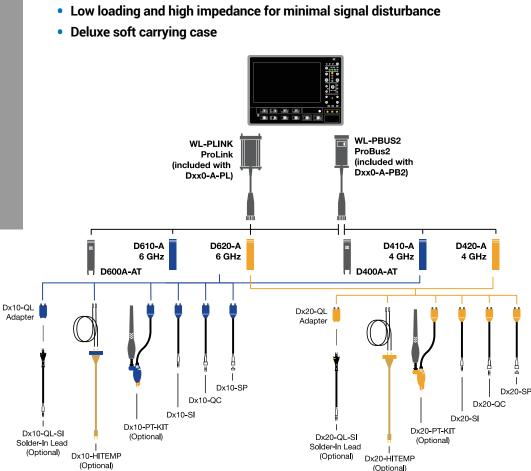
Teledyne LeCroy 4 GHz - 6 GHz **Differential Probe** Model Numbers:

D410-A-PB2 D420-A-PB2 D400A-AT-PB2 D610-A-PB2 D610-A-PL D620-A-PB2 D620-A-PL D600A-AT-PB2 D600A-AT-PL

Teledyne LeCroy's WaveLink 4-6 GHz Differential Probes are a general purpose probing solution with high-input dynamic range and offset range capability. The range of capabilities is ideal for a variety of high-speed DDR signals where high dynamic range and large offset requirements are common.

Key Features

- 4 GHz or 6 GHz models
- Up to 5 Vpk-pk dynamic range with low noise
- ±3 V offset range
- Ideal for DDR2, LPDDR2, DDR3
- Innovative QuickLink architecture
- Wide variety of tips and leads
 - Solder-In Lead
 - QuickLink Solder-In Lead
 - Positioner (Browser) Tip
 - Adjustable (Browser) Tip
- Quick Connect Lead
- Square Pin Lead
- Hi-Temp Solder-In Lead





Learn More: teledynelecroy.com/probes/ differential-probes-4-6-ghz

Adapter

4 GHz - 6 GHz DIFFERENTIAL PROBES

and Dx10-PT Tips 75 ps (typical)and Dx20-PT Tips 75 ps (typical)Dx10-HiTemp, and Dx10-PT Tips and Dx10-PT Tips 112 ps (typical)Dx10-HiTemp, and Dx20-PT Tips and Dx20-PT Tips 112 ps (typical)Dx10-PT Tips and Dx20-PT Tips and Dx20-PT Tips 112 ps (typical)Dx20-HiTemp, and Dx20-PT Tips and Dx20-PT Tips 122.5 ps (typical)Dx10-VI-PT Tips and Dx20-PT Tips 122.5 ps (typical)Dx10-QC Tip 122.5 ps (typical)Dx20-QC Tip 122.5 ps (typical)Dx20-QC Tip 122.5 ps (typical)Dx20-SP Tip 150 ps (typical)S6 ps (typical)S6 ps (typical)S4 ps (typical)Rise Time* (20-80%)Dx10-SI, Dx10-QL-SI, and Dx20-PT Tips 56 ps (typical)Dx10-QL-SI, Dx20-SP Tip S6 ps (typical)Dx10-QL-SI, Dx20-SP Tip S6 ps (typical)Dx10-QL-SI, Dx20-PT Tips S6 ps (typical)Dx10-QL-SI, Dx20-PT Tips S6 ps (typical)S6 ps (typical)84 ps (typical)Dx10-CC Tip 92 ps (typical)Dx20-QC Tip 92 ps (typical)Dx10-QC Tip 92 ps (typical)Dx20-SP Tip 92 ps (typical)Dx20-SP Tip 92 ps (typical)S6 ps (typical)84 ps (typical)Noise (System)<36 nV/VHz (2.8 mVms) (typical)<36 nV/VHz (4.8 mVms) (typical)<36 nV/VHz (4.3 mVms) (typical)<36 nV/VHz (4.3 mVms) (D610-A-PB2,	D620-A-PB2,	D410-A-PB2	D420-A-PB2	D600A-AT-PB2,	D400A-AT-PB2
Drobe of Light in the bird of Tips and Dird of Tips	Bandwidth*			Dx10-SI. Dx10-QL-SI.	Dx20-SI. Dx20-OL-SI.		4 GHz
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Through entire frequency mape Product Code Product Description Product Code Complete Differential Probes D410-A-PB2 D410-A-PB2 D410-A-PB2 Differential Probe with Dx10-SI Solder-In Tip (Dty, 1). D410-A-PB2 D410-A-PB2 D410-A-CNIST Differential Probe with Dx10-SI Solder-In Tip (Dty, 1). D410-A-PB2 D410-A-CNIST D410-A-CNIST Differential Probe with Dx20-SI Solder-In Tip (Dty, 1). D420-A-PB2 D410-A-CCNIST D410-A-CCNIST Differential Probe with Dx20-SI Solder-In Tip (Dty, 1). D420-A-PB2 D410-A-CCNIST D410-A-CCNIST Differential Probe with Dx20-SI Solder-In Tip (Dty, 1). D420-A-PE2 D520-A Includes test data. D610-A-CNIST Differential Probe with Dx10-SI Solder-In Tip (Dty, 1). D610-A-PE2 D510-A-PE2 D510-A-PE2 Differential Probe with Dx10-SI Solder-In Tip (Dty, 1). D610-A-PE2 D510-A-PE2 D510-A-PE2 Differential Probe with Dx10-SI Solder-In Tip (Dty, 1). D610-A-PE2 D510-A-PE2 D510-A-PE2 D202-SP Siguare Pin (Dty, 1). D520-A-SCNIST D500-A-FE2 D510-A-PE2 D510-A-PE2 D202-SP Siguare Pin (Dty, 1). D520-A-SCNIST D510-A-P	(Nominal) 50 kΩ Common Mode 1 kΩ Common Mode						
Complete Differential Probes Accessories 4 GH2 ProBus2 Differential Probe with Dx10-SI Solder-In Tip (Dty. 1), 4 GH2 ProLink Differential Probe with Dx10-SI Solder-In Tip (Dty. 1), 4 GH2 ProLink Differential Probe with Dx20-SI Solder-In Tip (Dty. 1), 4 GH2 ProLink Differential Probe with Dx20-SI Solder-In Tip (Dty. 1), 4 GH2 ProLink Differential Probe with Dx20-SI Solder-In Tip (Dty. 1), 6 GH2 ProBus2 Differential Probe with Dx20-SI Solder-In Tip (Dty. 1), 6 GH2 ProBus2 Differential Probe with Dx20-SI Solder-In Tip (Dty. 1), 6 GH2 ProBus2 Differential Probe with Dx20-SI Solder-In Tip (Dty. 1), 6 GH2 ProBus2 Differential Probe with Dx20-SI Solder-In Tip (Dty. 1), 6 GH2 ProBus2 Differential Probe with Dx20-SI Solder-In Tip (Dty. 1), 7 D10-SP Square Pin (Dty. 1), and Dx20-QC Quick Connect (Dty. 1) D420-A-PEB NIST Calibration for D420-A. Includes test data. D400-ATCCNIST 6 GH2 ProBus2 Differential Probe with Dx20-SI Solder-In Tip (Dty. 1), 7 D10-SP Square Pin (Dty. 1), and Dx20-QC Quick Connect (Dty. 1) D610-A-PEB NIST Calibration for D400-A.T. Includes test data. D600-A-ATCCNIST 6 GH2 ProBus2 Differential Probe with Dx20-SI Solder-In Tip (Dty. 1), 7 D20-SP Square Pin (Dty. 1), and Dx20-QC Quick Connect (Dty. 1) D620-A-PEB Single replacement QuickLink Solder-In Tip QL-SI-IPack 9 Space Fin (Dty. 1), and Dx20-QC Quick Connect (Dty. 1) D620-A-PEB Single replacement QuickLink Solder-In Tip QL-SI-IPack 9 Space Fin (Dty. 1), and Dx20-QC Quick Connect (Dty. 1) D620-A-PEB Single replacement QuickLink Solder-In Tip QL-SI-IPack 9 Space Fin (Dty. 1), and Dx20-QC Quick Connec	[†] Through entire frequency range	urements are made with an osci				_	
Dx10-SP Square Pin (Qty. 1), and Dx10-QC Quick Connect (Qty. 1) D410-A-PL Q412 PolLink Differential Probe with Dx20-SI Solder-In Tip (Qty. 1), D420-A-PB2 Dx20-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1) D420-A-PB2 Dx10-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1) D420-A-PB2 Dx10-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1) D420-A-PB2 Dx10-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1) D610-A-PB2 Dx10-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1) D610-A-PB2 Dx10-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1) D610-A-PB2 S0-SP Square Pin (Qty. 1), and Dx20-SI Solder-In Tip (Qty. 1), D610-A-PB2 D820-A-CCNIST Dx10-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1) D610-A-PB2 S0-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1) D620-A-PB2 S1S Calibration for D400-AT. Includes test data. D400A-AT-CCNIST Dx20-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1) D620-A-PB2 S1S Calibration For D400-AT. Includes test data. D400-AT-CCNIST Dx20-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1) D600-AT-PB2 Dx20-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1) D400-AT-PE2 S1S Calibration For D400-AT-CNIST </td <td>•</td> <td>bes</td> <td>Product Co</td> <td></td> <td>lion</td> <td>Р</td> <td>roduct Code</td>	•	bes	Product Co		lion	Р	roduct Code
Dx10-SP Square Pin (Qty. 1), and Dx10-QC Quick Connect (Qty. 1). D420-A-PE2 MST Calibration for D410-A. Includes test data. D420-A-CCNIST V20-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1). D420-A-PE2 Dx20-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1). D420-A-PE2 Dx10-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1). D420-A-PE2 Dx10-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1). D610-A-CCNIST NIST Calibration for D400-A-T. Includes test data. D610-A-CCNIST NIST Calibration for D400-A-T. Includes test data. D600-A-CCNIST NIST Calibration for D400-A-T. Includes test data. D600-A-CNIST NIST Calibration for D400-A-T. Includes test data. D600-A-CNIST NIST Calibration for D40-				PB2 Probe Deskew and	Calibration Test Fixture		TF-DSQ
4 GHz ProBus2 Differential Probe with Dx20-SI Solder-In Tip (Qty. 1), D420-A-PE2 MIST Calibration for D420-A. Includes test data. D420-ACCNIST NST Calibration for D420-A. Includes test data. D420-A-PE2 MIST Calibration for D420-A. Includes test data. D420-A-CCNIST NST Calibration for D420-A. Includes test data. D420-A-PE2 MIST Calibration for D420-A. Includes test data. D420-A-PE2 Dx10-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1) D610-A-PE2 MIST Calibration for D400-A-AT. Includes test data. D400A-AT-CCNIST G Hz ProLink Differential Probe with Dx10-SI Solder-In Tip (Qty. 1), Dx10-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1) D610-A-PE2 MIST Calibration for D600A-AT. Includes test data. D600A-AT-CCNIST G Hz ProLink Differential Probe with Dx10-SI Solder-In Tip (Qty. 1), Dx20-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1) D620-A-PE2 Single replacement QuickLink Solder-In Tip QL-SI-IPack Posk of ProBus2 Differential Probe with Adjustable Tip D400A-AT-PE2 Single replacement QuickLink Solder-In Tip QL-SI-IPack Positioner Tip (Browser) Kits Dx10-PT-KIT Dx10-PT-KIT Replacement Dx20-SI 4 & 6 GHz Solder-In Tip QL-SI-IPack Replacement Dx20-PT Adjustable Positioner Tip Kit. Dx20-PT-KIT Replacement Dx20-SI 4 & 6 GHz Solder-In Lead Dx20-PT Rep				oundration optic			
4 GHz ProLink Differential Probe with Dx20-SI Solder-In Tip (Dty. 1). D420-APL NIST Calibration for D610-A. Includes test data. D610-A-CCNIST Dx20-SP Square Pin (Qty. 1). and Dx20-QC Quick Connect (Qty. 1) D610-A-PBZ NIST Calibration for D620-A. Includes test data. D620-A-CCNIST Dx10-SP Square Pin (Qty. 1). and Dx10-QC Quick Connect (Qty. 1) D610-A-PBZ NIST Calibration for D620-A. Includes test data. D600-A-AT-CCNIST Dx10-SP Square Pin (Qty. 1). and Dx20-QC Quick Connect (Qty. 1) D610-A-PBZ NIST Calibration for D600-A-AT. Includes test data. D600-A-AT-CCNIST Dx20-SP Square Pin (Qty. 1). and Dx20-QC Quick Connect (Qty. 1) D610-A-PBZ NIST Calibration for D600-A-AT. Includes test data. D600-A-AT-CCNIST Dx20-SP Square Pin (Qty. 1). and Dx20-QC Quick Connect (Qty. 1) D610-A-PBZ NIST Calibration for D600-A-AT. Includes test data. D600-A-AT-CCNIST SIGE replacement Dx10-SI 4 & 6 GHz Solder-In Tip QL-SI-IPack Space Resistors. Replacement Dx10-SI 4 & 6 GHz Solder-In Lead with Dx20-SI CH2 proBus2 Differential Probe with Adjustable Tip D600-A-TPEZ Replacement Dx10-SI 4 & 6 GHz Quick Connect Lead Dx10-QC G Hz ProBus2 Differential Probe with Adjustable Tip D600-A-TPEZ Replacement Dx10-SI 4 & 6 GHz Quick Connect Lead Dx20-SI G Hz ProBus2 Differential Probe with Adjustable Tip	4 GHz ProBus2 Differential Pr	obe with Dx20-SI Solder-Ir	n Tip (Qty. 1), D420-A-F				
Data Organ Data Organ <td></td> <td></td> <td></td> <td>-PI</td> <td></td> <td></td> <td></td>				-PI			
OBJOSP Square Pin (Dy. 1), and DX10-0C Quick Connect (Dy. 1). D010-APLD SQ10-SP Square Pin (Dy. 1), and DX10-0C Quick Connect (Dy. 1). D010-APLD SQ10-SP Square Pin (Dy. 1), and DX10-0C Quick Connect (Dy. 1). D010-APLD SQ10-SP Square Pin (Dy. 1), and DX10-0C Quick Connect (Dy. 1). D010-APLD SQ10-SP Square Pin (Dy. 1), and DX10-0C Quick Connect (Dy. 1). D010-APLD SQ20-SP Square Pin (Dy. 1), and Dx20-SI Solder-In Tip (Dy. 1). D620-A-PBZ SQ20-SP Square Pin (Qy. 1), and Dx20-QC Quick Connect (Qty. 1). D620-A-PBZ SQ20-SP Square Pin (Qy. 1), and Dx20-SI Solder-In Tip (Qty. 1). D620-A-PBZ SQ20-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1). D620-A-PBZ SQ20-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1). D600A-AT-PBZ SQ10-SP Todiuk Differential Probe with Adjustable Tip D400A-AT-PBZ SQ10-SP TAdjustable Positioner Tip Kit. Dx10-PT-KIT For use with Dx20-PT Adjustable Positioner Tip Kit. Dx20-PT-KIT For use with Dx20-PT Adjustable Positioner Tip Kit. Dx20-PT-KIT Replacement Dx20-SP 4 & 6 GHz Square Pin Lead Dx20-SP Replacement SQL-SF 4 & 6 GHz Square Pin Lead Dx20-SP QuickLink Solder-In starter pack for use with Dx10 amplifier. Dx20-QL-SSI Replacement							
Dx10-SP Square Pin (Qty. 1), and Dx10-QC Quick Connect (Qty. 1) Beplacement Parts 6 GHz ProBus2 Differential Probe with Dx20-SI Solder-In Tip (Qty. 1), D620-A-PE 9 Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1) D620-A-PE 4 GHz ProBus2 Differential Probe with Adjustable Tip D400-A-TPEZ 6 GHz ProLink Differential Probe with Adjustable Tip D400-A-TPEZ 6 GHz ProBus2 Differential Probe with Adjustable Tip D600A-AT-PEZ 6 GHz ProLink Differential Probe with Adjustable Tip D600A-AT-PEZ 9 Space Resistors. Replacement Dx10-SI 4 & 6 GHz Solder-In Lead with Dx20-SI 9 Space Resistors. Replacement Dx10-SI 4 & 6 GHz Solder-In Lead with Dx20-SI 9 Space Resistors. Replacement Dx10-SI 4 & 6 GHz Solder-In Lead with Dx20-SI 9 Space Resistors. Replacement Dx10-QC 4 & 6 GHz Quick Connect Lead Dx10-QC 9 Space Resistors. Replacement Dx20-QC 4 & 6 GHz Quick Connect Lead Dx10-QC 9 Space Resistors. Replacement Dx20-SP 4 & 6 GHz Quick Connect Lead Dx20-SP 9 Space Resistors. Replacement Dx20-SP 4 & 6 GHz Quick Connect Lead Dx20-SP 9 CuickLink Solder-In Tip Set Space Resistor Kit for Dx10/Dx20 - 2 kits of 20 PKxx0-SI 9 QuickLink Solder-In starter pack for use wit	Dx10-SP Square Pin (Qty. 1), a	and Dx10-QC Quick Conne	ct (Qty. 1)	NIST Calibration for			
Dx20-SP Square Pin (Qty, 1), and Dx20-QC Quick Connect (Qty, 1)Description6 GHz ProLink Differential Probe with Dx20-SI Solder-In Tip (Qty, 1), 4 GHz ProBus2 Differential Probe with Adjustable TipD620-APL4 GHz ProBus2 Differential Probe with Adjustable TipD400A-AT-PB26 GHz ProLink Differential Probe with Adjustable TipD600A-AT-PB26 GHz ProLink Differential Probe with Adjustable TipD600A-AT-PB2Positioner Tip (Browser) KitsD600A-AT-PB2WaveLink Dx10-PT Adjustable Positioner Tip Kit.Dx10-PT-KITFor use with Dx20 amplifiers.Dx10-PT-KITFor use with Dx20 amplifiers.Dx10-PT-KITQuickLink Solder-In Tip SetDx10-PT-KITQuickLink Solder-In starter pack for use with Dx20 amplifier.Dx10-QL-3SIIncludes one QuickLink adapter and three QL-SI tips.Dx10-QL-3SIMaveLink Temperature Extension Cables for Dx10.Dx10-HiTempMaveLink Temperature Extension Cables for Dx10.Dx10-HiTempMach Link 200 FT andDxx0-PT-TAPEQuantity 1 Package of Mitched 30' High Temperature Cables (Qty. 1)Dx10-HiTempMay Cable Store Probe Connection GuidesDxx0-PT-GUIDES200 individual guides/packageDx0-PT-GUIDES	Dx10-SP Square Pin (Qty. 1), a 6 GHz ProBus2 Differential Pr	and Dx10-QC Quick Conne obe with Dx20-SI Solder-Ir	<u>ct (Qty. 1)</u> n Tip (Qty. 1), D620-A-F	Replacement Pa			OL-SI-1Pack
Dx20-SP Square Pin (Qty. 1), and Dx20-QC Quick Connect (Qty. 1)4 GHz ProBus2 Differential Probe with Adjustable TipD400A-AT-PB26 GHz ProLink Differential Probe with Adjustable TipD600A-AT-PB26 GHz ProLink Differential Probe with Adjustable TipD600A-AT-PB2Positioner Tip (Browser) KitsD600A-AT-PLWaveLink Dx10-PT Adjustable Positioner Tip Kit.Dx10-PT-KITFor use with Dx10 amplifiers.Dx20-PT-KITWaveLink Solder-In Tip SetDx20-PT-KITQuickLink Solder-In Tip SetDx10-QL-3SIQuickLink Solder-In starter pack for use with Dx10 amplifier.Dx10-QL-3SIIncludes one QuickLink adapter and three QL-SI tips.Dx10-QL-3SIHi-Temp LeadsDx10-With Adhesive Pads (10/pkg) andWaveLink Temperature Extension Cables for Dx10.Dx10-HiTempIncludes set of Matched 30' High Temperature Cables (Qty. 1)Dx10-HiTempIncludes set (Qty. 1)Dx10-HiTempIncludes set (Qty. 1)Dx10-HiTemp	Dx20-SP Square Pin (Qty. 1), a 6 GHz ProLink Differential Pro	and Dx20-QC Quick Conne bbe with Dx20-SI Solder-In	<u>ct (Qty. 1)</u> Tip (Qty. 1), D620-A	9-pack of replacem	ent QuickLink Solder-In Tip	vith	QL-SI-9Pack
6 GHz ProBusz Differential Probe with Adjustable Tip D600A-AT-PBZ 6 GHz ProLink Differential Probe with Adjustable Tip D600A-AT-PL Positioner Tip (Browser) Kits Replacement Dx10-QC 4 & 6 GHz Quick Connect Lead Dx20-QC WaveLink Dx10-PT Adjustable Positioner Tip Kit. Dx10-PT-KIT Replacement Dx10-SP 4 & 6 GHz Square Pin Lead Dx20-QC YaveLink Dx20-PT Adjustable Positioner Tip Kit. Dx10-PT-KIT Replacement Dx20-SP 4 & 6 GHz Square Pin Lead Dx20-SP YaveLink Dx20-PT Adjustable Positioner Tip Kit. Dx20-PT-KIT Replacement Dx10-SP 4 & 6 GHz Square Pin Lead Dx20-SP QuickLink Solder-In Tip Set Dx20-PT-KIT Dx20-PT-KIT Replacement Dx10-DX20 - Kit of 20 PKxx0-SI QuickLink Solder-In Tip Set Dx10-QL-3SI Replacement QC Resistor Kit for Dx10/Dx20 - 2 kits of 20 PKxx0-QC QuickLink Solder-In starter pack for use with Dx20 amplifier. Dx10-QL-3SI Replacement Pogo Pin Tips and Qty. 2 Dxx0-PT-TIPS Includes one QuickLink adapter and three QL-SI tips. Dx20-QL-3SI Replacement Probe Tip Holder Kit PK600ST-3 WaveLink Temperature Extension Cables for Dx10. Dx10-HiTemp Dx10-HiTemp Dx10-HiTemp Dx0-PT-GUIDES Includes set of Matched 30' High Temperature Cables (Qty. 1) Dx10-HiTemp <	4 GHz ProBus2 Differential Pr	obe with Adjustable Tip	D400A-AT-F	<u>Qty. 5 Spare Resisto</u> B2 Replacement Dx20	ors.		
Positioner Tip (Browser) Kits Dx10-PT Adjustable Positioner Tip Kit. Dx10-PT-KIT WaveLink Dx10 amplifiers. Dx10-PT-KIT WaveLink Dx20-PT Adjustable Positioner Tip Kit. Dx20-PT-KIT For use with Dx20 amplifiers. Dx20-PT-KIT QuickLink Solder-In Tip Set Dx20-PT-KIT QuickLink Solder-In starter pack for use with Dx10 amplifier. Dx10-QL-3SI Includes one QuickLink adapter and three QL-SI tips. Dx10-QL-3SI QuickLink Solder-In starter pack for use with Dx20 amplifier. Dx20-QL-3SI Includes one QuickLink adapter and three QL-SI tips. Dx20-QL-3SI Hi-Temp Leads Dx10-HiTemp WaveLink Temperature Extension Cables for Dx10. Dx10-HiTemp and solder-in lead set (Qty. 1) Dx10-HiTemp WaveLink 1 Temperature Extension Cables for Dx10. Dx10-HiTemp and solder-in lead set (Qty. 1) Dx0-PT-GUIDES				<u>Qty. 5 Spare Resiste</u>	ors.		
WaveLink Dx10-PT Adjustable Positioner Tip Kit. Dx10-PT-KIT For use with Dx10 amplifiers. Dx10-PT-KIT WaveLink Dx20-PT Adjustable Positioner Tip Kit. Dx20-PT-KIT For use with Dx20 amplifiers. Dx20-PT-KIT QuickLink Solder-In Tip Set Dx10-QL-3SI QuickLink Solder-In starter pack for use with Dx10 amplifier. Dx10-QL-3SI Includes one QuickLink adapter and three QL-SI tips. Dx20-QL-3SI Hi-Temp Leads Dx10-HiTemp WaveLink Temperature Extension Cables for Dx10. Dx10-HiTemp Includes set of Matched 30" High Temperature Cables (Qty. 1) Dx10-HiTemp				neplacement DX10			
WaveLink Dx20-PT Adjustable Positioner Tip Kit. Dx20-PT-KIT For use with Dx20 amplifiers. Dx20-PT-KIT QuickLink Solder-In Tip Set Replacement SI Resistor Kit for Dx10/Dx20 - 2 kits of 20 PKxx0-SI QuickLink Solder-In starter pack for use with Dx10 amplifier. Dx10-QL-3SI Replacement Sockets for Dx10-PT and Dx20-PT-KIT QuickLink Solder-In starter pack for use with Dx20 amplifier. Dx10-QL-3SI Dx20-QL-3SI Replacement Probe Tip Holder Kit PK600ST-3 QuickLink adapter and three QL-SI tips. Dx20-QL-3SI Dx20-QL-3SI Replacement Platform/Cable Assembly Mounting Kit PK600ST-4 Hi-Temp Leads Dx10-HiTemp Dx10-HiTemp Dx10-HiTemp Dx10-PT-GUIDES Dx0-PT-GUIDES WaveLink Temperature Extension Cables for Dx10. Dx10-HiTemp Dx10-HiTemp Dx0-PT-GUIDES Dx0-PT-GUIDES and solder-in lead set (Qty. 1) Dx10-HiTemp Dx10-HiTemp Dx0-PT-GUIDES Dx0-PT-GUIDES	WaveLink Dx10-PT Adjustable		Dx10-PT-k	KIT Replacement Dx10-	-SP 4 & 6 GHz Square Pin Lea	d	Dx10-SP
QuickLink Solder-In Tip SetQuickLink Solder-In Tip SetQuickLink Solder-In starter pack for use with Dx10 amplifier. Includes one QuickLink adapter and three QL-SI tips.Dx10-QL-3SIQt. 4 Replacement Pogo Pin Tips and Qty. 2 Replacement Sockets for Dx10-PT and Dx20-PT Adjustable Positioner Tips.Dxx0-PT-TIPSQuickLink Solder-In starter pack for use with Dx20 amplifier. Includes one QuickLink adapter and three QL-SI tips.Dx20-QL-3SIDx20-QL-3SIReplacement Probe Tip Holder KitPK600ST-3WaveLink Temperature Extension Cables for Dx10. Includes set of Matched 30" High Temperature Cables (Qty. 1)Dx10-HiTempDx10-HiTempQuantity 1 Package of Adhesive Probe Connection Guides (200 individual guides/package)Dxx0-PT-GUIDES	WaveLink Dx20-PT Adjustable Positioner Tip Kit. Dx20-PT-KIT			KIT Replacement SI Res	sistor Kit for Dx10/Dx20 - Kit	of 20	PKxx0-SI
QuickLink Solder-In starter pack for use with Dx10 amplifier. Dx10-QL-3SI Includes one QuickLink adapter and three QL-SI tips. Dx20-QL-3SI QuickLink Solder-In starter pack for use with Dx20 amplifier. Dx20-QL-3SI Includes one QuickLink adapter and three QL-SI tips. Dx20-QL-3SI Hi-Temp Leads Dx20-QL-3SI WaveLink Temperature Extension Cables for Dx10. Dx10-HiTemp Includes set of Matched 30" High Temperature Cables (Qty. 1) Dx10-HiTemp and solder-in lead set (Qty. 1) Dx10-HiTemp		Set		Qty. 4 Replacement	Pogo Pin Tips and Qty. 2	KILS OT ZU	
QuickLink Solder-In starter pack for use with Dx20 amplifier. Includes one QuickLink adapter and three QL-SI tips. Dx20-QL-3SI Replacement Platform/Cable Assembly Mounting Kit PK600S1-3 Hi-Temp Leads WaveLink Temperature Extension Cables for Dx10. Includes set of Matched 30" High Temperature Cables (Qty. 1) Dx10-HiTemp Dx10-HiTemp Uncludes set of Matched 30" High Temperature Cables (Qty. 1) Dx10-HiTemp Dx10-HiTemp Quantity 1 Package of Adhesive Probe Connection Guides (200 individual guides/package) Dxx0-PT-GUIDES	QuickLink Solder-In starter pa	ack for use with Dx10 amp	blifier. Dx10-QL-3	Dx20-PT Adjustable	e Positioner Tips.		
Hi-Temp Leads Quantity 1 Package of Black Adhesive Pads (10/pkg) and Quantity 1 Package of White Adhesive Pads (10/pkg) Dxx0-PT-TAPE WaveLink Temperature Extension Cables for Dx10. Includes set of Matched 30° High Temperature Cables (Qty. 1) and solder-in lead set (Qty. 1) Dx10-HiTemp	QuickLink Solder-In starter pa	ack for use with Dx20 amp	lifier. Dx20-QL-3			a Kit	
WaveLink Temperature Extension Cables for Dx10. Dx10-HiTemp Includes set of Matched 30" High Temperature Cables (Qty. 1) Quantity 1 Package of Adhesive Probe Connection Guides Dxx0-PT-GUIDES and solder-in lead set (Qty. 1) (200 individual guides/package) Dxx0-PT-GUIDES	Hi-Temp Leads			Quantity 1 Package	of Black Adhesive Pads (10/	okg) and	
	and solder-in lead set (Qty. 1)	of Adhesive Probe Connectio		x0-PT-GUIDES			
Includes set of Matched 30" High Temperature Cables (Qty. 1)	WaveLink Temperature Extens			np			17

8 GHz - 30 GHz DIFFERENTIAL PROBES



Teledyne LeCroy 8 GHz - 30 GHz Differential Probe Model Numbers:

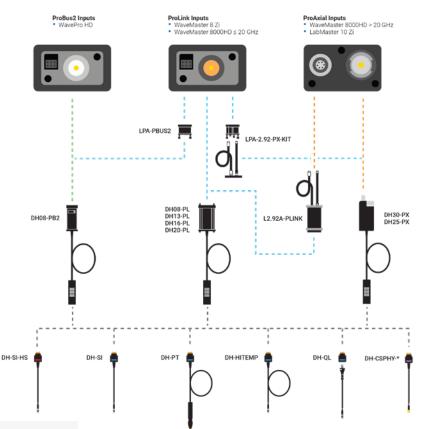
DH08-PB2 DH08-PL DH13-PL DH16-PL DH20-PL DH25-2.92MM DH30-2.92MM The DH series of 8 to 30 GHz active differential probes provides high input dynamic range, large offset capability, low loading and excellent signal fidelity with a range of connection options.

Key Features

- Bandwidth models from 8 GHz to 30 GHz
- Low loading and high impedance for minimal signal disturbance
- Wide variety of tips:
 - Standard and high-sensitivity 30 GHz solder-in tips
 - High-temperature solder-in tip with 1-meter lead
 - QuickLink adapter for mixed-signal probing
 - Handheld browser tip
 - Tips for direct connection to CrossSync PHY™ protocol analyzer interposers
- Built-in tip identification for simple setup and precise signal reproduction

• Ideal for debug and validation of:

- DDR3/LPDDR3
- DDR4/LPDDR4
- DDR5/LPDDR5
- Other high-speed serial interfaces





Learn More: teledynelecroy.com/probes/ dh-series-differential-probes

8 GHz - 30 GHz DIFFERENTIAL PROBES

	DH08	DH13	DH16	DH20	DH25	DH30	
Bandwidth							
Bandwidth (probe only)	8 GHz	13 GHz	16 GHz	20 GHz	25 GHz	30 GHz	
Bandwidth with DH-SI or DH-SI-HS tip	8 GHz	13 GHz	16 GHz	20 GHz	25 GHz	30 GHz	
Bandwidth with DH-HITEMP tip	8 GHz	13 GHz	16 GHz	16 GHz	16 GHz	16 GHz	
Bandwidth with DH-PT browser	8 GHz	13 GHz	16 GHz	16 GHz	16 GHz	16 GHz	
Bandwidth with DH-QL adapter and QL-SI tip	8 GHz	8 GHz	8 GHz	8 GHz	8 GHz	8 GHz	
Rise Time*							
Rise Time (10-90%)	56 ps	34.5 ps	28 ps	22.5 ps	18 ps	15 ps	
Rise Time (20-80%)	37.5 ps	23 ps	19 ps	15 ps	12 ps	10 ps	
Probe noise (referred to input)*							
With DH-SI-HS tip	2.1 mV _{rms}	2.2 mV _{rms}	2.3 mV _{rms}	2.6 mV _{rms}	2.9 mV _{rms}	3.2 mV _{rms}	
With all other tips	3.5 mV _{rms}	3.8 mV _{rms}	4.2 mV _{rms}	4.6 mV _{rms}	4.8 mVrms	5.0 mV _{rms}	
Probe noise density (referred to input)							
With DH-SI-HS tip			18 nV	/rt(Hz)			
With all other tips			30 nV	/rt(Hz)			
Input							
Input Dynamic Range							
With DH-SI-HS tip	2.0 Vpp (±1.0 V)						
With all other tips	3.5 Vpp (±1.75 V)						
Input Common Mode Voltage Range	±5.0 V						
Input Offset Voltage Range	±4.0 V						
Non-destructive Input Range	±16 V						
Attenuation	enuation						
With DH-SI-HS tip	1.8x / 3.2x (selected automatically by oscilloscope software)						
With all other tips	3.2x / 5.8x (selected automatically by oscilloscope software)						
Attenuation Accuracy	±2%						
DC Input Resistance (nominal)							
Differential			200 kΩ d	ifferential			
Common mode			50 kΩ di	fferential			
Input Resistance > 10 kHz (typical)							
With DH-SI-HS tip	1100 Ω differential						
With all other tips	2100 Ω differential						
Environmental							
Temperature							
Non-operating				to 70 °C			
Operating (DH-HITEMP tip)	-40 °C to 125 °C						
Operating (Probe and all other tips)				o 40 °C			
* All Rise Time and Probe noise measurements are made and noise measurements correspond to those of the equi	using a full-bandwidth solo valent-bandwidth probe mo				ndwidth. When using other		
Product Description		Product Code	Product Descripti			Product Code	
Differential Probes (tips not included)			Calibration Option	ns			

Differential Probes (tips not included)			
8 GHz differential probe with ProBus2 interface	DH08-PB2		
8 GHz differential probe with ProLink interface	DH08-PL		
13 GHz differential probe with ProLink interface	DH13-PL		
16 GHz differential probe with ProLink interface	DH16-PL		
20 GHz differential probe with ProLink interface	DH20-PL		
25 GHz differential probe with 2.92 mm interface	DH25-2.92MM		
25 GHz differential probe with ProAxial interface	DH25-PX		
30 GHz differential probe with 2.92 mm interface	DH30-2.92MM		
30 GHz differential probe with ProAxial interface	DH30-PX		
Solder-in Tips			
DH series solder-in tip, 30 GHz BW, 3.5 Vpp range	DH-SI		
DH series high-sensitivity solder-in tip, 30 GHz BW,	DH-SI-HS		
2.0 Vpp range			
Positioner (Browser) Tips			
DH series PT browser tip, 16 GHz BW, 3.5 Vpp range	DH-PT		
High-temperature Tips			
DH series high-temperature solder-in tip, 16 GHz BW, DH-HIT			
3.5 Vpp range			
QuickLink Adapters and Kits			
DH series QuickLink adapter, 8 GHz BW	DH-QL		
DH series QuickLink adapter kit with 3 x QL-SI tips	DH-QL-3SI		
CrossSync PHY Tips			
	SPHY-PCIE5-CEMX16		
connects to PE120ACA-X interposer accessory			
Accessories			
ProLink to 2.92 mm adapter with probe power and communication pass through	LPA-2.92		
2.92 mm to ProLink adapter with probe power and communication pass through	L2.92A-PLINK		

Product Description Calibration Options	Product Code
3-year warranty	DH08-W3, DH13-W3, DH16-W3, DH20-W3, DH25-W3, DH30-W3
5-year warranty	DH08-W5, DH13-W5, DH16-W5, DH20-W5, DH25-W5, DH30-W5
3-year annual NIST calibration	DH08-C3, DH13-C3, DH16-C3, DH20-C3, DH25-C3, DH30-C3
5-year annual NIST calibration	DH08-C5, DH13-C5, DH16-C5, DH20-C5, DH25-C5, DH30-C5
3-year warranty with annual NIST calibration	DH08-T3, DH13-T3, DH16-T3, DH20-T3, DH25-T3, DH30-T3
5-year warranty with annual NIST calibration	DH08-T5, DH13-T5, DH16-T5, DH20-T5, DH25-T5, DH30-T5
NIST traceable calibration with test data	DH08-CCNIST, DH13-CCNIST, DH16-CCNIST, DH20-CCNIST, DH25-CCNIST, DH30-CCNIST

Replacement Parts

Replacement SI resistor kit for DH-SI and DH-SI-HS solder-in tips

DH-SI-RESISTORS

HIGH VOLTAGE DIFFERENTIAL PROBES

Teledyne LeCroy High Voltage Differential Probe Model Numbers:

HVD3102A HVD3106A HVD3106A-6M HVD3206A HVD3206A-6M HVD3220 HVD3605A AP031

Key Features

- 1 kV, 2 kV, 6 kV CAT safety rated models
- Widest differential voltage ranges available
- Exceptional common-mode rejection ratio (CMRR) across a broad frequency range
- 1% gain accuracy
- High offset capability at both high and low attenuation
- AC and DC coupling
- ProBus active probe interface with automatic scaling
- AutoZero with auto disconnect switch
- Wide oscilloscope compatibility



The HVD3000A series high voltage differential probes provide high CMRR over a broad frequency range to simplify the measurement challenges found in noisy, high common-mode power electronics environments. The probe's design is easy-to-use and enables safe, precise high voltage floating measurements.

Product Description	Product Code
1 kV, 25 MHz High Voltage Differential Probe with 2 m cable	HVD3102A
1 kV, 120 MHz High Voltage Differential Probe with 2 m cable	HVD3106A
1 kV, 80 MHz High Voltage Differential Probe with 6 m cable	HVD3106A-6M
1 kV, 25 MHz High Voltage Differential Probe with 2 m cable without tip Accessories	HVD3102A-NOACC
1 kV, 120 MHz High Voltage Differential Probe with 2 m cable without tip Accessories	HVD3106A-NOACC
2 kV, 120 MHz High Voltage Differential Probe with 2 m cable	HVD3206A
2 kV, 80 MHz High Voltage Differential Probe with 6 m cable	HVD3206A-6M
2 kV, 400 MHz High Voltage Differential Probe with 2 m cable	HVD3220
6 ky, 100 MHz High Voltage Differential Probe with 6 m cable	HVD3605A
High Voltage Replacement Accessories Kit (Includes 2 each): High Bandwidth 4 mm Probe Tip Adapters, Safety Alligator Clips, Plunger Pincer Clips, Plunger Hook Clips, Plunger Alligator Clips, Spade Terminals	PK-HV-001
700 V, 25 MHz HighVoltage Differential Probe (÷10, ÷100)	AP031



Key Features

- Safe floating measurements
- 15 MHz bandwidth
- 700 V maximum input voltage
- Works with any 1 M Ω input oscilloscope

Specifications

Attenuation	÷10 / ÷100	
Bandwidth	15 MHz	
Input R	4 MΩ	
Differential Mode Range	±70 V / ±700 V DC + Peak AC	
Common Mode Range	±700 V DC + Peak AC	
CMRR	<u>86 dB @ 50 Hz</u>	
	56 dB @ 200 kHz	
Power Requirements: four AA batteries		



teledynelecroy.com/powerprobes/

Learn More:

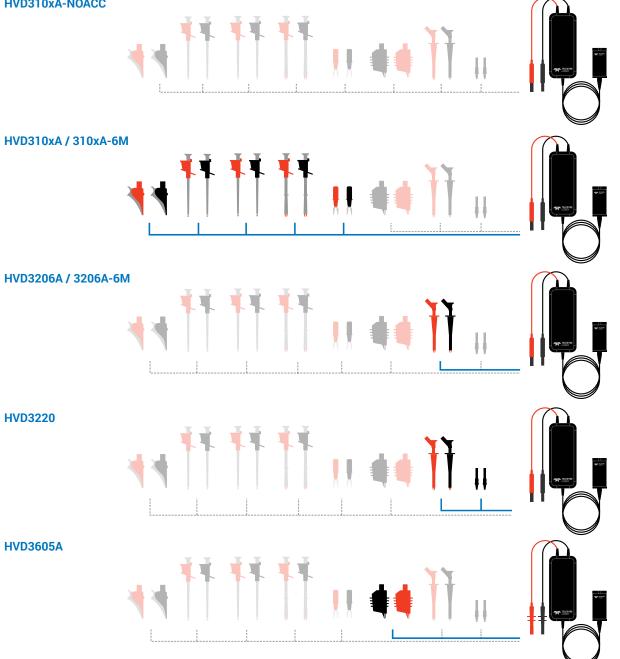
#hvd

HIGH VOLTAGE DIFFERENTIAL PROBES

	HVD3102A	HVD3106A/ HVD3106A-6M	HVD3206A/ HVD3206A-6M	HVD3220	HVD3605A
Bandwidth	25 MHz	120 MHz/ 80 MHz	120 MHz/ 80 MHz	400 MHz	100 MHz
Differential Voltage Range	1500 V 1500 V (DC + peak AC) (DC + peak AC) (1750V maximum (2000V maximum typical typical measurable measurable before saturation)		2000 V (DC + peak AC)		7000 V (DC + peak AC) (7600 V maximum typical measurable before saturation)
Max Safe Input Voltage	1000 Vrms CAT III		2000 V (DC + peak AC) CAT I 1500 Vdc CAT III 1000 Vrms CAT III		8485 V (DC + peak AC) CAT I 6000 Vrms CAT I 1000 Vrms CAT III 1000 V _{dc} CAT III
Gain Accuracy			1%*		
Cable Length	2.25 meters	2.25 meters/ 6.8 meters	2.25 meters/ 6.8 meters	2 meters	6.8 meters
Included Tip Accessories			Yes		
*1 In to 0.35% or	HVD3220				

*Up to 0.35% on HVD3220





HIGH VOLTAGE PASSIVE PROBES



Teledyne LeCroy High Voltage **Passive Probe** Model Numbers: **PPE6KV-A HVP120**

Key Features

- 2000 V_{rms} input
- 6000 V_{peak} transients
- Up to 500 MHz bandwidth
- Ideal for Surge/EFT testing



The PPE6KV-A and HVP120 can handle up to 6000 Vpeak transient overvoltages and are designed for probing up to 2000 Vrms and 1000 Vrms respectively. Fast rise times, excellent frequency response, and a variety of standard accessories make these probes safe and ideal for high voltage measurement applications.

Electrical Characteristics	PPE6KV-A	HVP120	
Bandwidth	500 MHz	400 MHz	
Risetime (10% - 90%)	800 ps (typical)	900 ps (typical)	
Maximum Input Voltage			
Measurement Category II*	1000 Vrms 1500 Vdc	1000 Vrms	
Measurement Category I**	6 kV transient at 0 Vrms	6 kV transient at 0 Vrms	
	4 kV transient at 2000 Vrms	4 kV transient at 1000 Vrms	
Pollution Degree*		2	
Input Capacitance	2.8 pF (typical)	7.5 pF (typical)	
Compensation Range	10 pF - 30 pF (typical)	10 pF - 50 pF (typical)	
Attenuation Ratio	100:1 ± 2%		
Environmental			
Temperature (Operating)	0°C to 50°C		
Tomporature (Non Operating)	40°C to 70°C		

Temperature (Operating)	0°C to 50°C		
Temperature (Non-Operating)	-40°C to 70°C		
Humidity (Operating)	90% RH (non-condensing)		
	up to 31°C, decreasing linearly to 50% RH at 50°C		
Altitude (Operating)	up to 2,000 m		
Altitude (Non-Operating)	up to 15,000 m		

General Characteristics

Weight (probe)	80 g (2.8 oz)	68 g (2.4 oz)	
Cable Length	2 m (6.56 ft)		
Probe Tip Diameter	8.6 mm (0.34 inches)	5 mm (0.20 inches)	

* As defined in IEC 61010-031:2015
 ** Category I as defined in IEC 61010-031:2008. No Rated Measurement Category as defined in IEC 61010-031:2015.

HIGH VOLTAGE PASSIVE PROBES

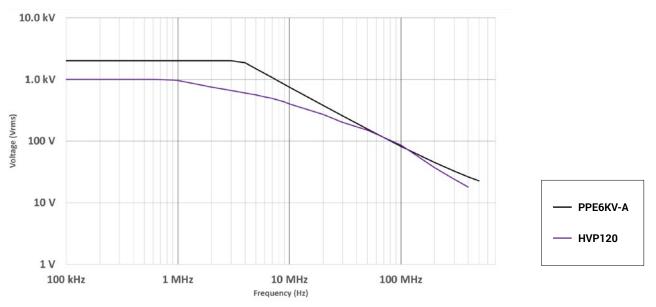
Product Description	Product Code
2 kV HV Probe, 6 kV overvoltage capability	PPE6KV-A
1 kV HV Probe, 6 kV overvoltage capability	HVP120
PPE6KV-A Replacement Accessories Kit	PK-112
HVP120 Replacement Accessories Kit	PK-HV-002

Standard Accessories

PPE6KV-A and HVP120 are sold with the following standard accessories. No extra purchase necessary.

	PPE6KV-A	HVP120
Trimming Tool	\checkmark	√
Color Coding Rings	\checkmark	√
Ground Lead (22 cm)	\checkmark	√
Security Ground Lead	\checkmark	√
Crocodile Clips	\checkmark	\checkmark
Flexible Security Adapter	\checkmark	√
Sprung Hook	\checkmark	\checkmark
BNC Adapter	\checkmark	\checkmark
Insulating Tip	\checkmark	√
Swivel Ground Lead and Lead Adapter	\checkmark	×
Solid and Spring Tips	×	✓

PPE6KV-A and HVP120 Voltage Derating



Learn More: teledynelecroy.com/probes/ high-voltage-passive-probes



HIGH VOLTAGE FIBER OPTICALLY ISOLATED PROBES



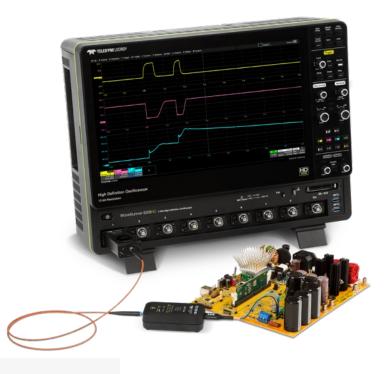
Teledyne LeCroy High Voltage Fiber Optically Isolated Probe Model Number:

HVF0108

The HVFO is an affordable, optimally designed probe for measurement of small signals floating on an HV bus in power electronics designs or for EMC, EFT, ESD, and RF immunity testing sensor monitoring. It far surpasses the measurement capabilities and signal fidelity of both conventional HV differential probes and acquisition systems that rely on galvanic high voltage isolation. Furthermore, it mitigates the need to rely on dangerous test setups that require floating the oscilloscope and probe.

Key Features

- 150 MHz bandwidth
- 35 kV common-mode voltage rating (fiber optic isolation)
- Superior Noise and Rejection
 - 140 dB CMRR
 - Low loop inductance
 - Low attenuation
- Optical isolation reduces adverse loading of DUT
- Selectable tips from ±1V to ±40V
- Applications
 - Upper-side gate drive signal measurements
 - Floating control signal or sensor voltage measurements
 - EMC, EFT, ESD, and RF immunity testing and system optimization
 - Any small signal measurements with high common-mode voltage





Electrical	
Bandwidth	150 MHz (typical, with tip attached)
Rise Time (10-90%)	3.3 ns (typical)
Input Dynamic Range	±1V, ±5V, ±10V, ±20V, ±40V (DC+peak AC) respectively with 1X, 5X, 10X, 20X or 40X attenuating tips.
	All tips are purchased as accessories (none are included with HVF0108 probe).
Maximum Non-destruct Voltage	5 times the operating voltage rating (tip dependent)
Common Mode Voltage Range	±35 kV (DC+Peak AC) (not for hand-held use, with adequate spacing between probe components and earth ground)
Maximum Input Voltage to Earth	±35 kV (DC+Peak AC) (not for hand-held use, with adequate spacing between probe components and earth ground)
Maximum Safe Input Voltage	For hand-held use, 30 Vrms / 60 Vdc per IEC/EN 61010-031:2015
Offset	Offset capability determined by oscilloscope offset available in a given gain (V/div) setting after accounting for total probe attenuation (total probe attenuation is twice the tip attenuation).
Sensitivity	10 mV/div to 1 V/div (1X tip), 50 mV/div to 5 V/div (5X tip), 100 mV/div to 10 V/div (10X tip), 200 mV/div to 20 V/div (20X tip), 400 mV/div to 40 V/div (40X tip)
Gain Accuracy	2.5% (typical), 4% (guaranteed)
Input Impedance	1 MΩ 34 pF (1X tip); 5 MΩ 26 pF (5X tip); 8 MΩ 23 pF (10X tip); 10 MΩ 22 pF (20X tip); 10 MΩ 22 pF (40X tip)
Input/Output Coupling	DC only
Interface	ProBus
Cable Length	1.25 m (4.1 feet) from input lead to oscilloscope connection (using included 1 meter fiber optic cable)
Battery	6 hour battery life (typical). 2.5 hour re-charge time (typical, with user-supplied dedicated USB charger). 5 hour re-charge time (typical) using supplied USB charging cable connected to oscilloscope USB port

Noise, Rejection, and Electromagnetic Compatibility (EMC)

CMRR (typical)	140 dB (100 Hz), 120 dB (to 1 MHz), 85 dB (to 10 MHz), 60 dB (to 60 MHz), 35 dB (to 150 MHz)
Noise (Probe only)	7 mVrms (1X tip), 35 mVrms (5X tip), 70 mVrms (10X tip), 140 mVrms (20X tip), 280 mVrms (40X tip)
Noise Density (Probe only)	570 nV/√Hz
Electrostatic Discharge (ESD) Immunity	8 kV contact discharge and 10 kV air discharge per IEC61000-4-2, criteria A
Radiated RF Electromagnetic Field Immunity	25 V/m (80 MHz to 2.7 GHz) per IEC61000-4-3, criteria A
Immunity to Conducted Disturbance Induced by RF Fields	10 V/m (150 kHz to 80 MHz) per IEC61000-4-6, criteria A

Environmental

10°C to 40°C (operating), -20°C to 70°C (non-operating)
5% to 80% RH (non-condensing) up to 30°C, decreasing linearly to 45% RH at 50°C (operating) 5% to 95% RH (non-condensing), 80% RH above 30°C, 45% RH above 50°C (non-operating)
Up to 3000 m (operating), 10,000 m (non-operating)
2, Indoor Use Only
Low Voltage Directive 2014/35/EU (IEC/EN 61010-031:2015 EMC Directive 2014/30/EU (IEC/EN 61326-1:2013) RoHS2 Directive 2011/65/EU

Ordering Information

Product Description	Product Code
High Voltage Fiber Optically-isolated Probe Models and Accessories	
High Voltage Fiber Optic Probe, 150 MHz Bandwidth. Includes soft-carrying case, Qty. 1 Amplifier/Modulating Transmitter, Qty. 1	HVF0108
Demodulating Receiver, Qty. 1 1m Fiber Optic Cable, Qty. 1 USB Charging Cable, Qty. 1 Micro-gripper set.	
Attenuating Tips must be ordered separately.	
HVF010X +/-1V (1x Attenuation) Universal Tip Accessory	HVF0100-1X-TIP-U
HVF010X +/-5V (5x Attenuation) Universal Tip Accessory	HVF0100-5X-TIP-U
HVF010X +/-10V (10x Attenuation) Universal Tip Accessory	HVF0100-10X-TIP-U
HVF010X +/-20V (20x Attenuation) Universal Tip Accessory	HVF0100-20X-TIP-U
HVF010X +/-40V (40x Attenuation) Universal Tip Accessory	HVF0100-40X-TIP-U
NIST Traceable Calibration Certificate	HVF0108-CCNIST

OPTICAL-TO-ELECTRICAL CONVERTERS

Teledyne LeCroy Optical Probe Model Numbers: **0E695G**



Key Features

- Compatible with LabMaster 10 Zi oscilloscopes
- Frequency range DC to 9.5 GHz (electrical, -3 dB)
- Reference receiver support from 8GFC to 10GFC FEC, or Custom (<12.5Gb/s)
- Full bandwidth mode (no reference receiver applied)
- 62.5/125 µm multi-mode or single-mode fiber input
- Broad wavelength range (750 to 1650 nm)
- +7 dBm (5 mW) max peak optical power
- Low noise (as low as 25 pW/ \sqrt{Hz})
- Ideal for Eye Mask, Extinction Ratio, and Optical Modulation Amplitude (OMA) testing

OE695G

The OE695G wide-band optical-to-electrical converter is ideal for measuring optical datacom and telecom signals with data rates from 622 Mb/s to 12.5+ Gb/s. Connection to a real-time Teledyne LeCroy oscilloscope is through the 2.92 mm interface, with a provided adapter to connect to ProLink interfaces.

Ordering Information

Product Description

Optical-to-Electrical Converter, 785 to 1550 nm, 2.92 mm connector with ProLink adapter

Product Code OE695G



Learn More: teledynelecroy.com/probes/ optical-to-electrical-converters

TRANSMISSION LINE PROBES



PP066

The PP066 is a high-bandwidth passive probe designed for use with the WaveMaster and other high-bandwidth oscilloscopes with 50 Ω input termination. This very low capacitance probe provides an excellent solution for higher frequency applications, especially the probing of transmission lines with 20–100 Ω impedance. The PP066 accommodates a wide range of applications, including

probing of analog and digital ICs commonly found in computer, communications, data storage, and other high-speed designs.

Teledyne LeCroy Transmission Line Probe Model Number: **PP066**

Key Features:

- Interchangeable attenuator tips
- Signal integrity at high bandwidth
- Standard SMA cable connection
- Ultra low capacitance

Specifications

Electrical Characteristics

Bandwidth	DC to 7.5 GHz	
Risetime	< 47 ps	
Input Capacitance	< 0.20 pF	
Input Resistance	500 Ω (÷10 cartridge)	
	1000 Ω (÷20 cartridge)	
Maximum Voltage	15 V rms	
Cable Length	1 m	
	-	

Ordering Information

Product Description

7.5 GHz Low Capacitance Passive Probe (÷10, 1 k $\Omega;$ ÷20, 500 $\Omega)$

Included with PP0066

PACC-AD001, SMA to BNC Adapter

Learn More: teledynelecroy.com/probes/ transmission-line-probes

Product Code

PP066



PASSIVE PROBES



Teledyne LeCroy Passive Probe Model Numbers: **PP016 PP018 PP019 PP020 PP021 PP022 PP023 PP024 PP026**

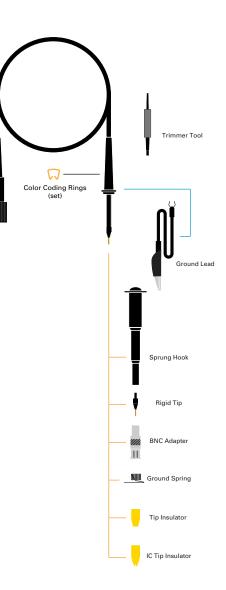
Each passive probe is recommended for a certain oscilloscope, using the right passive probe with the right oscilloscope means that the probe can be properly compensated across the entire bandwidth. Using probes with a different oscilloscope will only let you compensate for low frequencies.

Specifications

Types	Bandwidth	Input R	Input C	Attenuation	Maximum Voltage	Diameter
PP016	300 MHz/	10 MΩ/	12 pF/	÷10/	600 V	5 mm
	10 MHz	1 ΜΩ	46 pF	÷1		
PP018	500 MHz	10 MΩ	10 pF	÷10	350 V	5 mm
PP019	200 MHz	10 MΩ	12 pF	÷10	500 V	5 mm
PP020	500 MHz	10 MΩ	11 pF	÷10	500 V	5 mm
PP021	500 MHz	10 MΩ	11 pF	÷10	500 V	2.5 mm
PP022	500 MHz	10 MΩ	10 pF	÷10	500 V	2.5 mm
PP023	500 MHz	10 MΩ	10 pF	÷10	500 V	2.5 mm
PP024	500 MHz	10 MΩ	10 pF	÷10	500 V	5 mm
PP025	500 MHz	10 MΩ	10 pF	÷10	500 V	5 mm
PP026	500 MHz	10 MΩ	10 pF	÷10	500 V	5 mm

Passive Probe Accessories for PP016

Replacement Part Kit: PKIT3-5MM-101





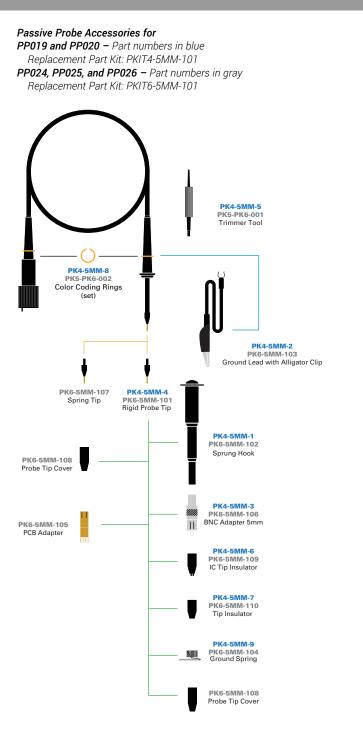
Learn More: teledynelecroy.com/probes/ passive-probes

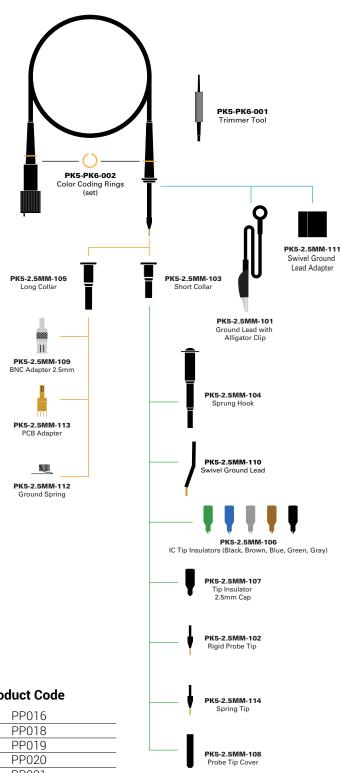
PASSIVE PROBES

Passive Probe Accessories for

Replacement Part Kit: PKIT5-2.5MM-101

PP021, PP022, and PP023





Ordering Information

Product Description	Product Code
10:1, 10 MΩ, 300 MHz Passive Probe	PP016
500 MHz Passive Probe, 10:1, 10 MΩ	PP018
250 MHz Passive Probe, 10:1, 10 MΩ	PP019
500 MHz Passive Probe, 10:1, 10 MΩ	PP020
500 MHz Passive Probe, 2.5mm, 10:1, 10 MΩ	PP021
500 MHz Passive Probe, 2.5mm, 10:1, 10 MΩ	PP022
500 MHz Passive Probe, 2.5mm, 10:1, 10 MΩ	PP023
500 MHz Passive Probe, 5mm, 10:1, 10 MΩ	PP024
500 MHz Passive Probe, 5mm, 10:1, 10 MΩ	PP025
500 MHz Passive Probe, 5mm, 10:1, 10 MΩ	PP026

PROBE ADAPTERS



Teledyne LeCroy Probe Adapter Model Numbers:

CA10 TPA10

Key Features

- Provides ability for third party current sensor to operate like a Teledyne LeCroy probe
- Programmable EEPROM for saving third party current sensor parameters
- Allows for addition of shunt resistor and RLC filter components
- ProBus Active interface with automatic scaling in A/div
- Easy to use, saves time and possible errors

Probe adapters provide simple and easy interface of third-party probes as well as change between the different Teledyne LeCroy Oscilloscope input and cable types (ProBus, ProLink, K/2.92 mm, BNC and SMA). Depending on the adapters, changing between the Teledyne LeCroy Oscilloscope's input type may have an effect on the overall performance of the channel.

CA10

The CA10 is a programmable and customizable interface device that seamlessly incorporates third party current transducers/transformers with Teledyne LeCroy oscilloscopes or motor drive analyzers. The easy to use interface provides the ability for the CA10 to be programmed to contain the specifications of the current sensor allowing it to automatically correct for the gain or attenuation and display



Product Code

Otv

results in Ampere units. This allows the third party device to be recognized and operate as if it were a Teledyne LeCroy probe.

Specifications

Input Coupling	DC, AC, Both
Input Termination	1MΩ or 50Ω
Programmable Bandwidth Filters	Full, 200 MHz, 20 MHz
Transformer/Transducer Interface	BNC
Scaling Factors	Programmable
Resistive Termination (if required)	Customizable (See Operator's Manual for details)
Oscilloscope Interface	Teledyne LeCroy ProBus

Note: Some third party devices will require a separate power supply or batteries. The CA10 does not have the ability to supply the power to these devices.

Ordering Information

Product Description

ProBus Current Sensor Adapter	CA10

Included with Standard Configuration CA10

Description

CA10 ProBus Current Adapter	1
Heat-Shrink tubing (6" length)	1
Removable Labels (sheet of 20)	1



Learn More: teledynelecroy.com/probes/ probe-adapters

PROBE ADAPTERS



TPA10

The TPA10 ProBus[™] Probe Adapter enables you to connect select TekProbe interface level II probes to any ProBusequipped Teledyne LeCroy instrument. The TPA10 supplies all necessary power and offset control to the probe and automatically detects which probe is attached.

Specifications

Electrical Characteristics

Bandwidth	4 GHz (adapter only)
Power Supplies	+15V, -15V, +5V, -5V (each 2%)
Offset Voltage	±1V(1%)
Max. Input Voltage	47 V _{pk} , 33 V _{rms}

Environmental

0 to 50 °C
-40 to +70 °C
5% to 95% RH (10 to 40 °C); 5% to 75% (above 40 °C); RH not controlled below 10 °C
3000 meters maximum

Physical

. Hyorotai	
Dimensions (WxHxD)	39 mm x 31.1 mm x 88.6 mm (1.54" x 1.22" x 3.49")
Weight	119 g (0.26 lb)

The TPA10 requires the Teledyne LeCroy oscilloscope to be running firmware version 7.8.0.0 or greater.

Ordering Information

Product Description	Product Code
TPA10 ProBus Adapter	TPA10



Key Features

- Allows TekProbe[™] interface level II probes to work with any ProBus-equipped Teledyne LeCroy oscilloscope
- Automatic probe detection
- Provides all necessary power and offset control to the attached probe
- Supports probes up to 4 GHz
- Easy firmware updates
- Wide variety of probes supported including:
 Preamplifiers
 - Current Probes
 - Single-Ended Active Probes
 - Differential Active Probes

Supported Probes

The following TekProbe devices are supported for use with TPA10:

Preamplifiers

1 MHz Differential Preamplifier	ADA400A

Current Probes

50 MHz AC/DC Current Probe	TCP202/TCP202A

Single-ended Active Probes

P6205
P6243
P6245
P6241
P6249

Differential Active Probes

100 MHz Differential Probe	P5205/P5205A
50 MHz Differential Probe	P5210/P5210A
400 MHz Differential Probe	P6246
1 GHz Differential Probe	P6247
1.5 GHz Differential Probe	P6248
500 MHz Differential Probe	P6250
1 GHz Differential Probe	P6251

Learn More: teledynelecroy.com/probes





1-800-5-LeCroy teledynelecroy.com

Local sales offices are located throughout the world. Visit our website to find the most convenient location.

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