L		TDM Specifications, Vs.	
	CANbus TD	CANbus TDM	Vehicle Bus Analyzer
Decode Capability			Symbolic (Message and Signal level) or
Format	Hexadecimal	Hexadecimal	Hexadecimal Symbolic decode performed
			on waveform grid using user-provided DBC database file.
			Up to 4 souces may be decoded at one time. Sources can be Channels, Memory
# of Decoded Waveforms	CAN Trace + Zoom of CAN Trace	CAN Trace + Zoom of CAN Trace	(Reference) Waveforms, or Math Traces (i.e CANH-CANL). In addition, up to 4 Zooms of
			these traces can be displayed (with decoded information).
1 1			Above Waveform, on Grid, Next to defined
Location	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	source.
Visual Aid	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	Color Coding for FRAME, ID, DLC, DATA, CRC, ACK, Stuff Bits. Includes textual
Violati / Ita	Suite as verice ses remyser	Curio da Vericio das Arialyzer	Message name and physical Signal value with units.
Error Frame Decoding	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	Decode Uncorrupted Portions, Identify Type
Stuff Bit Display	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	Yes, Circled on Oscilloscope Display
Symbolic Trigger Capability DATA Frame Setup			Yes
			Specify a Message to trigger on using
Message Condition Setup	•		customer supplied DBC database file. Choose from list sorted by Node, Message,
			or Signal.
GM CAN Compatibility			GM CAN compatible (Priority ID, Parameter ID, Source ID). Defaults to Message setup with all GM ID fields as "don't care" with
			operator able to change, as desired.
Mixed Message Systems Capability			Supports triggering when both 11-bit and 29 bit IDs are on the bus
			Message+Signal with Signal data value
Signal Condition Setup			condition of <=, <, =, >, >=, <>, in range, ou of range, don't care. Signal value set in
			scaled units as defined in customer supplied DBC database file.
Error Frame Setup	-		Yes, all Active Errors
Remote Frame Setup	•		Yes, with Message = condition. Yes, will trigger on any CAN Data, Remote,
All Frames Setup	-		Yes, will trigger on any CAN Data, Remote, or Error Frame (no conditions settable)
End of Frame (EOF) Trigger			Yes (by using ALL frame triggering)
Hexadecimal Trigger Capability DATA Frame Setup	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	Yes
ID Condition Setup	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	Specify One ID, then <=, <, =, >, >=, <>, in range, out of range, don't care
Mixed ID Systems Capability	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	Supports triggering when both 11-bit and 29 bit IDs are on the bus
			<=, <, =, >, >=, <>, in range, out of range, don't care. Trigger on LSB or MSB data in
DATA Condition Setup	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	any condition. Possible with ID= condition
			only.
			Hexadecimal: DLC from 0-8. In full bytes,
DATA Setup	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	data pattern can be set to any value. In partial bytes, data pattern can be set to any Start bit, with a 24 bit data length. Binary:
			Any combination of 0,1, or X for 1-64 bits
Error Frame Setup	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	Yes, all Active Errors
Remote Frame Setup	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	Yes, with any ID condition (<=, <, =, >, >=, <>>, in range, out of range, don't care)
			Yes, will trigger on any CAN Data, Remote,
All Frames Setup	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	or Error Frame (no conditions settable)
Start of Frame (SOF) Trigger	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	Yes (by using ALL frame triggering)
Logical AND Trigger Setup	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	Yes, but only between ID and DATA.
Format	same as CANbus TDM	ID - Hexadecimal, DATA - Hexadecimal or	ID - Symbolic, Hexadecimal, Binary, DATA Symbolic, Hexadecimal or Binary
ID Types	same as Vehicle Bus Analyzer	Binary Same as Vehicle Bus Analyzer	Symbolic, Hexadecimal or Binary STD (11-bit), EXT (29-bit)
Bit Rates	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	Any of 414 bit rates, ranging from 10.0 kb/s
Dit Ivales	Salite as Venicle ous Analyzer	Same as venicle ous Analyzer	to 1 Mb/s
		In Hexadecimal, can set any value, spread across nibbles or bytes, up to 24 bits long.	In Symbolic, can select any Signal up to 24 bits long. In Hexadecimal, can set any value spread across nibbles or bytes, up to 24 bits
Data Spread	same as CANbus TDM	In Binary, can set any value, spread across nibbles or bytes, up to 64 bits long.	long. In Binary, can set any value, spread
			across nibbles or bytes, up to 64 bits long.
Adjustable Sample Point Trigger Input	same as Vehicle Bus Analyzer same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer Same as Vehicle Bus Analyzer	Fully adjustable Any CH or EXT
Trigger (Other)	Suite as verice bas remiyee	Curio da Vericio Des Printyzer	
Trigger Design	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	External CAN controller using filtration (triggering on protocol message)
Will Trigger Provide ACKnowledge on Bus?	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	User selectable, defaults to No ACK
CAN Transceiver Support	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	5790c, 251, 1050, 1054, 1041, B10011S
Measurements & Graphing	The second of th	The second of the second secon	Interchangeable
2 Graphing			CAN Message to Analog Signal Timing,
			Analog Signal to CAN Message Timing, CAI Message to CAN Message Timing,
CAN Measurements		Same as Vehicle Bus Analyzer	CAN Bus Load %, CAN Message Bit Rate,
			CAN Message Bit Rate, CAN Message Number, CAN Message Data to Decimal Value
Statistical Analysis		Same as Vehicle Bus Analyzer	Extraction Histograms (up to 2 billion events)
			fwhm, fwxx, hist ampl, hist base, hist max,
Statistical Parameters	-	Same as Vehicle Bus Analyzer	hist mean, hist median, hist min, hist ms, hist sdev, hist top, max populate, mode, percentile, peaks
Graphical Analysis	-	Same as Vehicle Bus Analyzer	Track (1 point per measurement) Trend (1 million points max)
Analysis Capability		and an included the strange of	Trend (1 million points max)
			24Mpt/ch (VBA6000A) or 25 Mpt/ch (VBAXi
Maximum Record Length	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	(Interleaved). This equals 48s of 100kb/s CAN traffic, or 24,000 CAN messages
Stuff Bit Display	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	Yes
Sequence Mode	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	Yes. View decoded data on individual segments.
		In Hexadecimal, Search for next frame, next	In Symbolic or Hexadecimal, Search for ne
Pattern Search	same as CANbus TDM	defined frame with a certain ID, or next error frame	frame, next defined frame with a certain Message/ID, or next error frame
Other Features			,
CAN Input to View	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	Single-ended (CANH or CANL), Single-
<u> </u>	and an annual bus remigrate	and an annual day remy and	ended (CANH-L), or Differential Probe No, but helpful to save analog channels and
Differential Probe Required?	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	to perform sequence mode acquisition. ADF 305 recommended.
Method of Viewing CAN Signal &	same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer	Trigger with CANbus TD Series Trigger
Triggering On It		· ·	Module. Separately Probe to View External Trigger Module Allows System to
Forward Compatibility User Interface	same as Vehicle Bus Analyzer same as Vehicle Bus Analyzer	Same as Vehicle Bus Analyzer Same as Vehicle Bus Analyzer	Adapt Graphical, Windows-based
	Same as Vehicle Bus Analyzer Option, compatible with WRXi, WR6000A	Same as Vehicle Bus Analyzer Option, compatible with WRXi, WR6000A	Graphical, Windows-based Stand-Alone complete CAN oscilloscope
Compatible With	Option, compatible with WRXi, WR6000A and WavePro 7000A	Option, compatible with WRXi, WR6000A and WavePro 7000A	Stand-Alone complete CAN oscilloscope system based on WaveRunner Xi or 6000A