

T3EL Electronic Loads Fact Sheet

Debug with Confidence 500 Volts, 60 Amps, 300 Watts



Models and Characteristics

T3EL15060P	High Range	1 V – 150 V	0 – 60 A	300 Watts
	Low Range	1 V – 150 V	0 – 6 A	300 Watts
T3EL50015P	High Range	2.5 V – 500 V	0 – 15 A	300 Watts
	Low Range	2.5 V – 500 V	0 – 1.5 A	300 Watts

Tools for Improved Debugging

- 2 Models to choose from.
Each model has a Low and High mode.
 - 7 Operating modes:
CC, CV, CR, CP, CC + CV, CR + CV,
CP + CV.
 - Static, Dynamic and
Sequence mode support.
 - Built in Application Functions:
Soft Start, Battery Test Automation,
OCP and OPP Test Automation.
 - Provides a load of up to 300 Watts.
 - Programmable and analog
external control.
 - 3 years warranty as standard.
- ✓ Dual modes add more flexibility
for better application coverage.
 - ✓ Ideal for electronic components,
battery, portable charger/adaptor
and power products.
 - ✓ Generate a single static load
right through to complex dynamic
sequences for thorough product
testing.
 - ✓ Quickly set up common tests.
 - ✓ Ideal for low to medium
power applications.
 - ✓ Support for the maximum
control flexibility.
 - ✓ Reliable product gives
piece of mind.

For more information, please contact:



T3EL Electronic Loads Fact Sheet

Models and Specifications

Model		T3EL15060P		T3EL50015P	
Range		Low	High	Low	High
Power		300 W	300 W	300 W	300 W
Voltage		1 V – 150 V	1 V – 150 V	2.5 V – 500 V	2.5 V – 500 V
Current		0 – 6 A	0 – 60 A	0 – 1.5 A	0 – 15 A
Minimum Operating Voltage (DC)		1 V – 6 A	1 V – 60 A	2.5 V – 1.5 A	2.5 V – 15 A

Static Mode

Constant Current Mode	Range	0 – 6 A	0 – 60 A	0 – 1.5 A	0 – 15 A
	Resolution	0.2 mA	2 mA	0.05 mA	0.5 mA
Constant Resistance Mode	Range	0.01666 Ω – 500 Ω (300 W / 15 V) 0.1666 Ω – 5 k Ω (300 W / 150 V)		0.16666 Ω – 5 k Ω (300 W / 50 V) 1.6666 Ω – 50 k Ω (300 W / 500 V)	
Constant Voltage Mode	Range	1 V – 15 V	1 V – 150 V	2.5 V – 50 V	2.5 V – 500 V
	Resolution	0.5 mV	5 mV	1 mV	10 mV
Constant Power Mode	Range	0 W – 30 W (6 A)	0 W – 300 W (60 A)	0 W – 30 W (1.5 A)	0 W – 300 W (15 A)
	Resolution	1 mW	10 mW	1 mW	10 mW

Dynamic Mode

Timers T1 & T2	Fast Mode	0.05 ms – 30 ms, Resolution 1 μ s		0.05 ms – 30 ms, Resolution 1 μ s	
	Normal Mode	30 ms – 30 s, Resolution 1 ms		30 ms – 30 s, Resolution 1 ms	
Constant Current Mode	Range	0 – 6 A	0 – 60 A	0 – 1.5 A	0 – 15 A
	Resolution	0.2 mA	2 mA	0.05 mA	0.5 mA
Constant Resistance Mode	Range	0.01666 Ω – 500 Ω (300 W / 15 V) 0.1666 Ω – 5 k Ω (300 W / 150 V)		0.16666 Ω – 5 k Ω (300 W / 50 V) 1.6666 Ω – 50 k Ω (300 W / 500 V)	
Warranty		3 Year Return To Teledyne LeCroy			

Full list of specifications can be found in the Data Sheet



Excellent Performance

- Normal and fast sequence modes.
- Battery test automation function.
- Output soft start for power supply testing.
- Seven operating modes:
CV, CC, CR, CP, CV + CP, CC + CP, CR + CP.

Great Connectivity

- Analog external control.
- USB device port for printing and PC control.
- Trigger input and trigger output.

Smart Capabilities

- Sense connectors for 4 wire load testing.
- Up to 1000 sequence steps in two ranges.
- Six modes of protection: OCP, OPP, UVP, OVP, OTP, RVP.
- Static, Dynamic and Sequence mode support.
- Clear display for easy operation.