

Power Supplies Data Sheet

Single Output Power Supplies

Power With Confidence

Current: Up to 30 Amps

Voltage: Up to 60 Volts

Power: Up to 360 Watts

Switching D.C. Power Supply

The T3PS1000 Series is single output, 360 W, switching DC power supply. OVP protects the T3PS1000 Series and their load from unexpected conditions. High regulation is maintained at 0.01 %. Remote sensing adds an extra level of precision by compensating for cable losses between the power supply and load. Turning the output On/Off from an external device is available through Remote control terminals. The T3PS1000 Series is an ideal solution for power-efficient bench-top or portable applications requiring high regulation.



Tools for Improved Debugging

- Dual Measurement Display. ✓ Clearly see your power settings.
- Switched Mode high efficiency Power Supply Design. ✓ Small footprint whilst maintaining high power density.
- Constant Voltage and Constant Current Operation. ✓ Wider application coverage for a more complete solution.
- Rear mounted remote sense terminals. ✓ Ensure that the full voltage gets to your DUT. Sense compensates for wiring losses.
- Remote Output On / Off Control (not programmable) ✓ Turn the output On or Off from an external device.
- Only 128 mm Wide x 151 mm High x 295 mm Deep. Weight Approx. 3.2 kg. ✓ High power / high performance whilst take up the minimum of bench space.

Models and Characteristics

T3PS11230	0 – 12 V	0 – 30 A	360 W
T3PS12415	0 – 24 V	0 – 15 A	360 W
T3PS16006	0 – 60 V	0 – 6 A	360 W

FEATURES AND SPECIFICATIONS



Rear Panel

T3PS1000 Series

- Dual Measurement Display
- 0.01% High Regulation
- Constant Voltage and Constant Current Operation
- High Efficiency
- High Power Density
- Over Voltage Protection
- Remote Output ON/OFF Control

Model	T3PS11230	T3PS12415	T3PS16006
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Output

Voltage	0 ~ 12 V	0 ~ 24 V	0 ~ 60 V
Current	0 ~ 30 A	0 ~ 15 A	0 ~ 6 A

Constant Voltage Operation

Regulation	Line regulation ≤ 5 mV, Load regulation ≤ 5 mV
Ripple & Noise	≤ 5 mVrms, 100 mVp-p 20 Hz ~ 20 MHz
Recovery Time	≤ 500 S (50 % Load change, Minimum load 0.5 A)
Temp. Coefficient	≤ 100 ppm / °C
Output Range	0 to rating voltage continuously adjustable

Constant Current Operation

Regulation	Line regulation ≤ 3 mA, Load regulation ≤ 3 mA
Ripple Current	≤ 3 mArms (T3PS16006) ≤ 10 mArms (T3PS12415) ≤ 30 mArms (T3PS11230)
Output Range	0 to rated current continuously adjustable (HI/LO range switchable)

Meter

Type	3 1/2 digit, 0.39" LED display
Accuracy	$\pm (0.5\% \text{ of rdg} + 2 \text{ digits})$

Insulation

Chassis and Terminal	20 M Ω or above (DC 500V)
Chassis and AC Cord	30 M Ω or above (DC 500V)

Power Source

	AC 115 V/ 230 V $\pm 15\%$, 50/60 Hz
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Dimensions & Weight

	128 (W) x 151 (H) x 295 (D) mm, Approx. 3.2 kg
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Ordering information

Models	T3PS11230	360 W Switching D.C. Power Supply
	T3PS12415	360 W Switching D.C. Power Supply
	T3PS16006	360 W Switching D.C. Power Supply
Accessories	Quick Start Guide x 1, Power cord x 3, Test lead GTL-203 A x 1	

Warranty: 3 Years return to Teledyne LeCroy.

ABOUT TELEDYNE TEST TOOLS



Company Profile

Teledyne LeCroy is a leading provider of oscilloscopes, protocol analyzers and related test and measurement solutions that enable companies across a wide range of industries to design and test electronic devices of all types. Since our founding in 1964, we have focused on creating products that improve productivity by helping engineers resolve design issues faster and more effectively. Oscilloscopes are tools used by designers and engineers to measure and analyze complex electronic signals in order to develop high-performance systems and to validate electronic designs in order to improve time to market.

The Teledyne Test Tools brand extends the Teledyne LeCroy product portfolio with a comprehensive range of test equipment solutions. This new range of products delivers a broad range of quality test solutions that enable engineers to rapidly validate product and design and reduce time-to-market. Designers, engineers and educators rely on Teledyne Test Tools solutions to meet their most challenging needs for testing, education and electronics validation.

Location and Facilities

Headquartered in Chestnut Ridge, New York, Teledyne Test Tools and Teledyne LeCroy has sales, service and development subsidiaries in the US and throughout Europe and Asia. Teledyne Test Tools and Teledyne LeCroy products are employed across a wide variety of industries, including semiconductor, computer, consumer electronics, education, military/aerospace, automotive/industrial, and telecommunications.

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