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Data Sheet
August 13, 2026

RS

RS PL320(Quad)

RS DC Power Supplies. Voltage: 0 to 32V continuously variable, Current: 0 to 2A, Resolution: 10mV.

MODEL RS PL320(Quad)	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU PL320(Quad)	LISTING https://aumictechlabs.com/products/pl320-quad-2/

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

This unit

The RS PL320(Quad) is a bench power supply from Thurlby Thandar Instruments delivering 0 to 32V continuously variable output at 0 to 2A, with up to 240W power capability. This single-output model provides precision metering, exceptional load and line regulation, and minimal ripple - making it ideal for laboratory, development, and production test environments requiring stable DC power delivery.Technical Specifications Electrical Performance Output voltage: 0 to 32V continuously variable Output current: 0 to 2A Maximum power output: 240W Load regulation: <0.01% of maximum output (90% load change) Line regulation: <0.01% of maximum output (10% line voltage change) Ripple and noise: Typically <1mV rms Output impedance (constant voltage): Typically <5mΩ at 1kHz Output impedance (constant current): Typically 50kΩ Output protection: Forward protection to maximum output voltage +20V; diode-clamped reverse protection rated to 3A reverse current AC input: 110, 120, 220, or 240VAC ±10%, 50/60Hz Metering Dual 3.75 digit LED displays (4095 count resolution) Voltage resolution: 10mV Current resolution: 1mA Display update rate: 4 per second Switchable damping for fluctuating currents Physical Specifications

Dimensions: 170mm (H) × 155mm (W) × 265mm (D) Weight: 5.0kg Cooling: Silent fan-less convection design Output terminals: 4mm binding posts (accepts plugs or wire)Key Features Single output configuration with optional quad-mode dual or triple output variants (PL320QMD, PL320QMT) Quad-mode selection (Isolated, Parallel, Series, Series-Tracking) via push-button switching on dual variants Parallel mode increases current output; Series mode increases voltage output GPIB (IEEE-488.1/488.2) and RS-232 programming options available on PL-P models Full remote bus control with voltage and current readbackTypical Applications Laboratory test and measurement; prototype development; educational electronics training; production circuit testing; precision equipment calibration.Compatibility & Integration Operating temperature: 5°C to 40°C, 20% to 80% RH. Storage: -20°C to 60°C. Compliant with IEC348 and IEC1010 safety standards; EMC compliance per EN50081–1 and EN50082–1 (variant dependent).

Features & description

From manufacturer datasheet

Features

• Constant voltage / constant current with automatic crossover (main outputs) • Quad-mode front-panel configuration: isolated, true parallel, series, series tracking • Electronic output switch to set limits before connecting the load • Remote sense eliminates up to 0.5 V drop per lead • Dual 3.75-digit LED meters (4095 count), 10 mV / 1 mA resolution

Applications

• Bench analog and digital circuit development • Dual-rail op-amp and plus/minus 32 V tracked supplies • 5 V logic plus dual analog rails (QMT) • Production and education labs needing isolated, series, or parallel reconfiguration • Remote-sense precision DC where lead drop must be cancelled

PL320QUAD Characteristics / Specifications

PARAMETER	VALUE
Model	PL320 Quad (PL320 / PL320QMD / PL320QMT)
Manufacturer	Thurlby Thandar Instruments (Aim TTi); sold by RS Components
Instrument Type	Laboratory DC power supply
Alias	PL320QMD; PL320QMT; RS PL320 Quad; TTi PL320
Main Voltage Range	0 to 32 V nominal
Main Current Range	0 to 2.1 A nominal (PL320)
Quad Parallel Mode	0 to 32 V at 0 to 4 A
Quad Series Mode	0 to 64 V at 0 to 2 A
Quad Tracking Mode	0 to plus/minus 32 V at 0 to 2 A
Logic Output Voltage QMT	4 to 6 V
Logic Output Current QMT	0.1 to 4 A
Voltage Setting Resolution	better than 5 mV (coarse and fine)
Output Mode	CV or CC with automatic crossover
Load Regulation	less than 0.01 percent of maximum for 90 percent load change
Line Regulation	less than 0.01 percent of maximum for 10 percent line change
Ripple and Noise	typically less than 1 mV rms
Transient Response	less than 20 µs to within 50 mV for 90 percent load change
Temperature Coefficient	typically less than 100 ppm perCCV Output Impedance: typically less than 5 mΩ at 1 kHz
Remote Sense Compensation	up to 0.5 V drop per lead
Meter Voltage Accuracy	0.1 percent of reading
Meter Current Accuracy	0.3 percent of reading
Meter Voltage Resolution	10 mV
Meter Current Resolution	1 mA
Output Terminals	4 mm on 19 mm spacing
Output Protection Forward	up to maximum output +20 V

PARAMETER	VALUE
Output Protection Reverse	diode clamp, up to 3 A reverse
PL320 Dimensions	155 × 170 × 265 mm
PL320QMD Dimensions	350 × 170 × 265 mm
PL320QMT Dimensions	425 × 170 × 265 mm
Logic OVP QMT	trips above 7 V Notes Specs from the Aim-TTi / Thurlby Thandar PL Series instruction manual and PL-series data sheet. This is notaRohde & Schwarz product. Confirm whether the unit isasingle PL320, dual PL320QMD, or triple PL320QMT. Quad means the four wiring modes, not four independent 32 V channels.
Quad-mode front-panel configuration	isolated, true parallel, series, series tracking

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Technical Specifications

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Model	PL320 Quad (PL320 / PL320QMD / PL320QMT)
Manufacturer	Thurlby Thandar Instruments (Aim TTi); sold by RS Components
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Transient Response	less than 20 µs to within 50 mV for 90 percent load change
Temperature Coefficient	typically less than 100 ppm per C
CV Output Impedance	typically less than 5 mΩ at 1 kHz
Remote Sense Compensation	up to 0.5 V drop per lead
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Meter Current Accuracy	0.3 percent of reading
Meter Voltage Resolution	10 mV
Meter Current Resolution	1 mA
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Output Protection Forward	up to maximum output +20 V

PARAMETER	VALUE
Output Protection Reverse	diode clamp, up to 3 A reverse
PL320 Dimensions	155 x 170 x 265 mm
PL320QMD Dimensions	350 x 170 x 265 mm
PL320QMT Dimensions	425 x 170 x 265 mm
Logic OVP QMT	trips above 7 V

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Notes
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: **sales@aumictech.com** · +1 (484) 841-9341

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