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Data Sheet
August 13, 2026

ROHDE & SCHWARZ

Rohde and Schwarz NGT20 System Power Supply

Rohde & Schwarz NGT20 Triple System Power Supply 117.7133.02 The R&S NGT20 isalinear analog triple output laboratory/system power supply, order number 117.7133.02. Two independent 0.01 to 20 V / 1 A channels plus one 0.01 to 6 V / 5 A channel for logic ICs. The 20 V pair supports independent, series, parallel, or tracking operation (40 V at 1 A or 20 V at 2 A). Adjustable overvoltage protection is standard on the 6 V output. Conventional heatsink cooling (NGT series), analog knobs, and switchable meters per output. The R&S NGT20 isalinear analog triple output laboratory/system power supply, order number 117.7133.02. Two independent 0.01 to 20 V / 1 A channels plus one 0.01 to 6 V / 5 A channel for logic ICs. The 20 V pair supports independent, series, parallel, or tracking operation (40 V at 1 A or 20 V at 2 A). Adjustable overvoltage protection is standard on the 6 V output. Conventional heatsink cooling (NGT series), analog knobs, and switchable meters per output. Op amp analog rails (plus/minus 20 V class); 5 V logic at 5 A; tracking dual supplies; bench system power in mixed analog/digital fixtures; low noise analog bias (linear, not switch mode).

MODEL	CALIBRATION
Rohde & Schwarz 117.7133.02	Available on request
CONDITION	**STATUS**
Used	In stock
RFQ / SKU	**LISTING**
NGT20	https://aumictechlabs.com/products/ngt20-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Rohde & Schwarz NGT20 (117.7133.02) is a triple DC power supply delivering three independent, isolated outputs for simultaneous multi-device testing in development,

manufacturing, and laboratory environments. Channels A and B serve linear IC applications with flexible series, parallel, and tracking operation modes. Channel C provides a dedicated 6 V, 5 A output optimized for digital IC supply.The unit combines high-resolution voltage setting via ten-turn potentiometers with fast regulation recovery - under 30 µs in voltage priority mode and under 50 µs in current priority mode - making it suitable for both standard and current-sensitive loads.Technical Specifications Model: Rohde & Schwarz NGT20 (Order Number: 117.7133.02) Output Configuration: 3 independent, isolated channels Channel A & B: Linear IC supply; configurable in series, parallel, or tracking mode Channel C: 6 V, 5 A dedicated output for digital ICs Voltage Setting: High-resolution control via ten-turn potentiometers; 0.1 × maximum output voltage per turn (example: 2 V per turn on 20 V channel) Current Limiting: Rectangular characteristic with independent threshold setting per output; 10-division scale resolution Overvoltage Protection (Channel C): Continuously adjustable threshold from 4.5 V to 10 V; thyristor-shorted output on threshold breach Regulation Recovery: <30 µs (voltage priority mode); <50 µs (current priority mode)Key Features Short-circuit proof outputs across all channels Reverse current protection on all outputs Polarity protection integrated into all outputs Tracking operation enables proportional negative voltage adjustment relative to positive voltage Series connection supports higher voltage output Parallel connection supports higher current output High-resolution regulation with oscillation prevention Scaled potentiometers ensure reproducible current limit settingsTypical Applications Linear and digital IC characterization and validation Multi-rail power delivery for complex circuit testing Current-sensitive device evaluation requiring fast transient response Simultaneous dual-supply testing with tracking or independent voltage control

NGT20 Characteristics / Specifications

PARAMETER	VALUE
Model	NGT20
Manufacturer	Rohde & Schwarz
Instrument Type	Triple Output Linear DC System Power Supply
Alias	R&S NGT20; 117.7133.02
Channel Count	3 isolated outputs
Voltage Range Channels 1 and	0.01 V to 20 V each
Current Range Channels 1 and	0.01 A to 1 A each
Voltage Range Channel	0.01 V to 6 V
Current Range Channel	0.01 A to 5 A
Total Power Class	70 VA
Voltage Resolution 20 V Channels	0.02 V
Current Resolution 20 V Channels	1 percent class
Max Deviation AC Supply plus/minus 10 percent Voltage	0.01 percent class
Load Effect Current 20 V Channels	0.2 percent class
Temperature Coefficient Voltage	0.01 percent perCclass
Temperature Coefficient Current	0.1 percent class
Output Impedance CV 20 V Channels	2 mOhm
Output Impedance CC 20 V Channels	9 kOhm
Transient Recovery 20 V Channels	75 us
PARD Vrms 20 V Channels	0.15 mV
Output Impedance CV 6 V Channel	1 mOhm
Output Impedance CC 6 V Channel	0.4 kOhm
Transient Recovery 6 V Channel	75 us
PARD Vrms 6 V Channel	0.2 mV
Overvoltage Protection	standard on 6 V output only

PARAMETER	VALUE
Tracking Mode Combined	40 V at 1 A or 20 V at 2 A
Remote Sensing	not on NGT20 (catalog RS column dash)
IEC Bus	not standard (catalog IEC column dash)
Cooling	rear conventional heatsink (NGT series)
Dimensions	190 mm x 172 mm x 278 mm
Weight	7 kg
Floating Isolation	outputs isolated; catalog family allows high common mode (1000 V class on R&S bench supplies)
Regulation	constant voltage / constant current
Meters	switchable voltage/current per output
Family	NGT20 / NGT25 / NGT35 triple supplies
Construction	analog linear (uA741 era analog control; no switcher) Notes Specs from the Rohde & Schwarz power supply catalog table for NGT20 (117.7133.02) and the NGT family description. Confirm analog meter/knob generation versus later digital NGP/NGM supplies. OVP applies to the 6 V rail. Do not confuse with programmable NGPT triples.

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

Specifications

PARAMETER	VALUE
Model	NGT20
Manufacturer	Rohde & Schwarz
Instrument Type	Triple Output Linear DC System Power Supply
Alias	R&S NGT20; 117.7133.02
Channel Count	3 isolated outputs
Voltage Range Channels 1 and 2	0.01 V to 20 V each
Current Range Channels 1 and 2	0.01 A to 1 A each
Voltage Range Channel 3	0.01 V to 6 V
Current Range Channel 3	0.01 A to 5 A
Total Power Class	70 VA
Voltage Resolution 20 V Channels	0.02 V
Current Resolution 20 V Channels	1 percent class

Max Deviation AC Supply plus/minus 10 percent Voltage: 0.01 percent class

Specifications

PARAMETER	VALUE
Load Effect Current 20 V Channels	0.2 percent class
Temperature Coefficient Voltage	0.01 percent perCclass
Temperature Coefficient Current	0.1 percent class
Output Impedance CV 20 V Channels	2 mOhm
Output Impedance CC 20 V Channels	9 kOhm
Transient Recovery 20 V Channels	75 us
PARD Vrms 20 V Channels	0.15 mV
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Output Impedance CC 6 V Channel	0.4 kOhm
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PARD Vrms 6 V Channel	0.2 mV
Overvoltage Protection	standard on 6 V output only
Tracking Mode Combined	40 V at 1 A or 20 V at 2 A
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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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Generated August 13, 2026