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Data Sheet

August 13, 2026

ROHDE & SCHWARZ

Rohde and Schwarz Polyskob SWOB5 Vintage Sweep Generator

Rohde & Schwarz Polyskob SWOB5 Sweep Generator 0.1 to 1000 MHz The R&S Polyskob SWOB 5 is a compact two channel sweep tester with a 28 cm long persistence CRT. Frequency 0.1 to 1000 MHz (BN 333.0019.52 50 ohm; BN 333.0019.72 75 ohm; a 50 ohm 0.1 to 1300 MHz variant BN 333.0019.53 exists). Plug in deflection amplifiers E1/E3 logarithmic or E2 linear. Measuring heads include termination, insertion, and probe units. CW operation is obtained by stopping the sweep. Lab and production alignment of filters, amplifiers, and TV/CATV components to 1 GHz; scalar frequency response; photographic or recorder documentation; 50 ohm or 75 ohm systems. Output attenuator 0 to minus 70 dB in 1 dB steps 28 cm diagonal long persistence display; scale bright up bar Instrument Type: Sweep Generator / Polyskob Display Mainframe Alias: Polyskob SWOB 5; SWOB5; BN 333.0019.52 (50 ohm); BN 333.0019.72 (75 ohm)

**MODEL****Rohde & Schwarz SWOB5****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****SWOB5****LISTING**<https://aumictechlabs.com/products/swob5-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Rohde & Schwarz Polyskob SWOB5 is a precision sweep frequency generator covering 0.1 MHz to 1000 MHz, engineered for RF component testing, alignment, and characterization across manufacturing, R&D, and laboratory settings. The instrument delivers flexible sweep operation across its full frequency range or with continuously adjustable sweep widths, supporting both broadband measurements (5 MHz

to 1000 MHz) and narrow-band operation (approximately 300 kHz to 50 MHz maximum). CW mode disables sweep functionality, enabling continuous tuning from 0.1 MHz to 1000 MHz for signal generation applications. The 28 cm long-persistence display presents frequency coverage with a bright-up bar indicator on the lower scale edge. Pulse or line markers with continuously adjustable amplitude facilitate frequency-axis orientation, while a manually tunable bright-up marker momentarily halts sweep operation to enable external frequency counter triggering via the RF monitoring output. External markers may be fed into the instrument. Sweep time adjusts continuously from 20 ms to 2 seconds. The receiver architecture combines a measuring head with a plug-in deflection amplifier section supporting single or dual-channel linear and/or logarithmic configurations. Dynamic range reaches approximately 70 dB with the active demodulator SWOB5-Z4 at maximum 50 mV driving level, or 76 dB at 1 V output voltage (rear-panel selectable). The RF output connector is N-type male at 50 Ohm impedance.

Technical Specifications

Frequency Range: 0.1 MHz to 1000 MHz Sweep Width (broadband): 5 MHz to 1000 MHz, continuously adjustable Sweep Width (narrow-band): approximately 300 kHz to 50 MHz maximum, continuously adjustable CW Operation: 0.1 MHz to 1000 MHz tunable Sweep Time: 20 ms to 2 seconds, continuously adjustable Dynamic Range: ~70 dB (with SWOB5-Z4 demodulator, 50 mV max); 76 dB (1 V output)

Display: 28 cm diagonal long-persistence screen **RF Output:** N-type male connector, 50 Ohm

Key Features

Pulse or line markers with adjustable amplitude for frequency navigation Manually tunable bright-up marker with external counter triggering capability External marker input support Plug-in deflection amplifier architecture for linear and logarithmic measurement modes RF monitoring output for external instrumentation

Typical Applications

RF component testing and alignment Manufacturing calibration and characterization Research and development measurement Laboratory signal generation and sweeping

Compatibility & Integration

Measuring heads - termination units, insertion units, and probes - are available as modular accessories. Deflection amplifiers function as interchangeable plug-ins. Model variants include the E2 (linear amplifier) and E3 (logarithmic amplifier) configurations. The SWOB5-Z4 active demodulator option extends dynamic range performance.

SWOB5 Characteristics / Specifications

PARAMETER	VALUE
Model	SWOB5
Manufacturer	Rohde & Schwarz
Instrument Type	Sweep Generator / Polyskop Display Mainframe
Alias	Polyskop SWOB 5; SWOB5; BN 333.0019.52 (50 ohm); BN 333.0019.72 (75 ohm)
Frequency Range	0.1 MHz to 1000 MHz
Alternate 50 ohm Variant	0.1 MHz to 1300 MHz (BN 333.0019.53)
Full Span Sweep	0.1 to 1000 MHz single sweep
Broadband Sweep Width	continuously 5 MHz to 1000 MHz
Narrowband Sweep Width	approximately 300 kHz to 50 MHz
CW Tuning Range	0.1 MHz to 1000 MHz
Sweep Time	20 ms to 2 s
RF Output 50 ohm	1 V plus/minus 5 percent
RF Output 75 ohm	0.7 V plus/minus 5 percent
Output Attenuator	0 to 70 dB in 1 dB steps
Attenuator Error	plus/minus 0.5 dB
Output Frequency Response 0.1 to 1000 MHz	0.5 dB
Output Frequency Response Sweep 1 MHz class	less than 0.15 dB
Display Diagonal	28 cm long persistence CRT
Channels	one or two (plug in amplifiers)
Linear Amplifier E2 Input Impedance	500 kohm class (verification procedure)
Linear Deflection Coefficient	0.2 mV/cm class
Linear Max Sensitivity	less than 3 mV class
Log Amplifier Ranges	10/20/50/80/100 dB class
Log Display Adjustable Range	greater than 70 dB

PARAMETER	VALUE
Mains	110 / 125 / 220 / 235 V AC
Dimensions	484 mm x 328 mm x 436 mm
Weight	25 kg
Impedance Versions	50 ohm and 75 ohm
Linear Plugin	E2 BN 333.5010.02
Log Plugins	E1 BN 333.5610.02; E3 BN 349.3512.02
Horizontal Lines	two measurement lines
Markers	pulse, line, bright up, external
Recorder Photo	supported
Form	tabletop Polyskop mainframe Notes Specs from R&S Polyskop SWOB 5 descriptions and the SWOB5 verification procedure (frequency, attenuator, sweep time, outputs). Confirm 50 ohm versus 75 ohm BN, 1000 versus 1300 MHz variant, and which E1/E2/E3 plugins are installed. Vintage CRT instrument; heads/probes are separate.

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	SW0B5
Manufacturer	Rohde & Schwarz
Instrument Type	Sweep Generator / Polyskop Display Mainframe
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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

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.