User's Guide

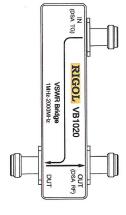


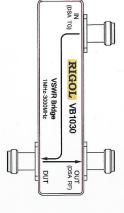
VB1020/VB1030 VSWR Bridge

Product Overview

connectors as shown in the figure below. return loss, reflection coefficient and VSWR). VB1020/VB1030 provides three N female the RIGOL DSA series spectrum analyzer to measure S11-related parameters (such as VB1020/VB1030 with 1 MHz to 2 GHz/3 GHz measuring range, is used in combination with

- tracking generator of the spectrum analyzer is connected IN: Signal input terminal. Here the signal generator or the output terminal of the
- spectrum analyzer is connected. OUT: Signal output terminal. Here the wattmeter or the RF input terminal of the
- **DUT:** Here the device under test is connected





Measurement Connection

analyzer as shown in the figure on the right. Connect VB1020/VB1030 to the spectrum

Spectrum Analyzer

Connect the spectrum analyzer

VSWR bridge respectively. tracking genrator and the RF input connect the output terminal of the Use 2 adapters (N male-N male) to IN terminal and OUT terminal of the terminal of the spectrum analyzer to the

Connect the device under test

Connect the device under test VSWR Bridge Adapter

Do not use cables or adaptors as far as possible to avoid additional reflection.

Typical Applications

- Measurement of the S11-related parameters of the filter, amplifier, mixer, etc.
- Resonant frequency and VSWR tests of the antenna.

Publication Number: UGD04100-1110

Specifications

	VB1020	1 MHz to 2 GHz
Frequency range	VB1030	1 MH2 to 3 CH2

Connector type	N (Female) Type
Adaptor	Dual N (Male) Type
Impedance	50 Ω

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500 MHz to 3 GHz	500 MHz to 2 GHz	1 MHz to 500 MHz	Directivity
VB1030	VB1020		
≥22 dB	≥22 dB	≥30 dB	

General Specifications		
		130 mm×75 mm×30 mm
Dimensions	With Package	256 mm×190 mm×43 mm
		0.5 kg
Weight	With Package	1.2 kg
Operation Temperature		-20 ℃ to 80 ℃
Storage Temperature		-40 ℃ to 100 ℃