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Test & Measurement

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Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

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Product Lifecycle Management System

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Product Description:

Anritsu MS610B 10kHz to 2GHz, 50ohm Portable Spectrum Analyzer

The Anritsu MS610B spectrum analyzer is a wide band, very sensitive receiver. It works on the principle of "super-heterodyne receiver" to convert higher frequencies (normally ranging up to several 10s of GHz) to measurable quantities. The received frequency spectrum is slowly swept through a range of pre-selected frequencies, converting the selected frequency to a measurable DC level (usually logarithmic scale), and displaying the same on the CRT of the Anritsu MS610B. The CRT displays received signal strength (y-axis) against frequency (x-axis).

Some applications for Anritsu MS610B Spectrum Analyzers include Site Monitoring: Verify that the frequency and signal strength of your transmitter is accurate. Interference: Before a system is installed you use a Anritsu MS610B spectrum analyzer to verify that the frequencies (you plan to use) are not occupied or if the presence of a very strong signal will interfere with your new setup. Interference can be created by a number of different situations. Other tests that utilize the Anritsu MS610B spectrum analyzer features include antenna isolation, co-channel interference, adjacent channel power, occupied bandwidth, intermodulation, microwave or satellite antenna alignment, and characterization of components.

Performance Characteristics of the MS610B

Form Factor	Benchtop
Input Impedance	50 Ohm
Minimum Frequency	10 kHz
Maximum Frequency	2 GHz
Zero Span	Yes
Minimum Span	0.1 MHz
Maximum Span	1 GHz
Minimum Sweep Time	10 ms
Maximum Sweep Time	10 s
Minimum Resolution Bandwidth	1 kHz
Maximum Resolution Bandwidth	1 MHz
Resolution Bandwidth Steps	1/3/10
Minimum Video Bandwidth	100 Hz
Maximum Video Bandwidth	10 kHz
Video Bandwidth Steps	1/10/100
Maximum Single-Side-Band Noise	-70 dBc/Hz
Maximum Safe AC Input	20 dBm
Maximum DC Input	50 V
Maximum Displayed Average Noise	-115 dBm
Maximum Amplitude Uncertainty	1.5 %
Trigger Modes	Freerun,TTL

Connector type (main signal)	Type-N(f)
Cal Output Connector Type	BNC(f)
Probe Power	No
Noise Source Driver	No

Programmability/Connectivity of the MS610B

User Interface	Proprietary
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MS610B Life Cycle Data

Out of Production	Jan-01-2005
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MS610B Compliance

CE Compliance	Not on file
UL Compliance	Not compliant

MS610B Power Requirements

Input Power	Universal (Auto Sense and Switch)
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MS610B Physical Dimensions

Width: 284 mm(11.18 in)
Height: 177 mm(6.96 in)
Length: 351 mm(13.81 in)
Weight: 13.5 kg(29.76 lb)

MS610B Standard Accessories

F0008 /Fuse, 1.0 A /Qty:2
J0017 /Power Cord, 2.5m /Qty:1
J0025A /Coaxial Cable, 1m /Qty:1
J0104A /Coaxial Cable, 1 m (S-5DWP.5DW2W.S-5DWP) /Qty:1
J0121 /Coaxial Cord, 1m (BNC-P.RG-55/U.N-P) /Qty:1
W0268AE /MS610B/J Operation Manual /Qty:1
W0268BE /MS610B/J Service Manual /Qty:1