<u>Description of the Anritsu MS616B Modulation Analyzer</u>

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Hello,

as I did not find much information about this nice test equipment I decided to write a little description. The MS616B is a Modulation Analyzer covering the frequency range from 150kHz to 3 GHz. It features also a frequency counter and can be controlled by GPIB.



The MS616B features an extremely wide bandwidth combined with a variety of functions for measuring signal frequencies, modulation characteristics, power and other parameters. In fields ranging from mobile radio to commercial broadcasting and component testing, the MS616B can perform all basic measurement with a single unit. The MS616B achieves its excellent performance through use of a synthesized local oscillator. At a received signal frequency of 1000 MHz, the residual FM component of the local oscillator is below 2.5 Hz. This high signal purity enables extremely stable and accurate modulation measurements.

Operation of the MS616B is simple. With the MS616B's automatic tuning capability, it is easy to select a function and start measuring, so that anyone can perform accurate and reliable measurements. Moreover, both analog and digital displays are provided to simplify adjustment procedures. The MS616B also has a GPIB interface to allow applications in labor-saving automatic measurement systems.

Features

- Measures AM, FM, ØM, frequency, and power
- Synthesized local oscillator
- Automatic tuning function
- Both analog and digital displays provided to simplify adjustment
- Store and recall of ten panel settings

Specifications:

Modulation Analyzer:

Frequency range: 150KHz-3000MHz

Level: RF-in -30-+30dBm

Input impedance: 50ohms

FM: 20Hz-200KHz

Dev 400KHzp-p acc1%

THD<0.05%

Rej AM 20Hz peak

stereosepa>45dB

PM:200Hz-20KHz

acc3%

THD<0.1%

rejAm<0.03rad

Maxdev 400rad

AM:20Hz-100KHz

Max100%

acc1%

Flatness0.3%

THD<0.3%

rejFM<0.2%

resAM<0.02%

Frequency Counter:

150KHz-3000MHz

sens-30dBm

res 10Hz

acc 2*10E-8/day

RF Input Power:

by PowerSensor
-20-+20dBm

acc0.5%

Zeroset

Audio Analyzer:
Filter

HPF20Hz/50/300/4KHz

LPF 3K/20K/200KHz

Deemphasis50u/75/500/750us

Detector:+P/-P/(P-P)/2,Ave

PeakHold 0.1/0.5/1s/>1s

Other Features:

Calibration AM/FM/Power

0-30dBm

acc2dB

Weight: 13Kg

GP-IB

Additional Pictures:





















If you have any comments or further information then please send them to the Email address given below. Many thanks in advance for your feedback.

Best regards

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