

# Digital DB Meter AS 980

Sharp Vision Digital DB Meter AS 980 provides total analysis of Digital cum Analog Cable TV network. AS 980 measures Video & Audio Levels, V/A, C/N, 8 channel level & slope in analog channels. AS 980 also measures channel power, MER, BER & Constellation in digital channels with eight channel plans loaded (as per your requirement). User can align eight different networks without adjustments in meter.

AS 980 has the advantage of graphic display of complete network and audio, video waveform display of selected channel.

## Features:

- RF Level/ Digital Channel Power Measurement (dB $\mu$ V or dBmV)
- Graphic LCD Display (128 x 64)
- Directly feed your required channel number or frequency (5~86MHz) with key pad
- Single display of video carrier, audio carrier strength & V/A
- C/N: Carrier to Noise Ratio measurement
- NiMH Battery installed with 5 hour power backup
- Rubber Jacket to protect the meter from shock or impact
- Auto Scan: Displays video & Audio levels of all channels of complete network. Zoom facility available, for digital analysis BER& MER are displayed
- SPECTRUM: To detect & Know the interference of channels
- Tilt/Level: 8 Channel Tilt/Level is available to check the flatness.
- 8 Channel Plan loaded: AS 980 comes loaded with your desired eight channel plans which contains digital & analog channels.It is therefore suitable for cable operators having many network connections.
- Edit: All channel plans can be editable at customers end.



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980**

- QAM Test: In a single screen display, get to know MER , BER with channel number, frequency, QAM, Bandwidth & Symbol Rate along with constellation of single channel
- Voltage Measurements: Battery voltage & trunkline AC/DC Voltage

## **Specifications:**

### **Digital Analysis**

Freq. range	: 5MHz ~ 860MHz (DVB-C)
Demodulation	: DVB-C/ITU-T J.83-Annex A,B
QAM mode	: 16, 32, 64, 128 & 256 QAM
Average power	: 25 dB $\mu$ V to 110dB $\mu$ V ( $\pm$ 1 dB $\mu$ V)
Bandwidth	: 1 MHz ~ 9 MHz
Symbol rate	: 1 MBPS ~ 7.9 MBPS
MER	: 20 dB ~ 39 dB $\pm$ 2 dB
BER	: 10 <sup>-3</sup> to 10 <sup>-9</sup>
Tuning Mode	: By channel or By frequency
Constellation	: 64 and 256 QAM Constellation with zoom capability
Spectrum Analysis	: with selectable bandwidth & scale
Channel Scan	: Channel Scan with Zoom & Memory
Channel Plan	: Selectable from 8 channel plans

### **Analog Analysis:**

Level Range	: 25 dB $\mu$ V ~ 120 dB $\mu$ V
Resolution	: 0.1 dB Detection
Mode	: Peak value
Impedance	: 75 $\Omega$
C/N Input	: > 75 dB $\mu$ V PP/Batt.
Voltage	: 0 ~ 90 V A