

# FIELD STRENGTH METER (FSM)



Spec DB Meter is an ideal instrument for maintenance of digital and analog CATV network. Spec DB meter provides total analysis of analog and digital cable TV network. Spec DB meter measures V/A levels, C/N ratio and 4 channels level and slope in analog stream. CATV system is basically a RF Signal distribution system. During distribution RF signal losses according to the resistance of co-axial or the length of co-axial cable. It is very necessary to measure the correct strength of RF signal for smooth transmission. For measuring strength of RF signal our digital cable signal analyzer is used. Quality wise it has very perfect and accurate measuring device.

## FEATURES

- ✳ Four Channel Display with Self Calibration upto  $\pm 6$  db
- ✳ 106 Ch x 120 Location Memory
- ✳ Auto Scan Function
- ✳ Digital PLL Synthesized Tuner
- ✳ CCIR PAL B/G E2 - E69 (106 Channels)
- ✳ 4 Channels(Slope Mode) Measurement
- ✳ 4 Channels (Absolute Mode) Measurement
- ✳ Four Reverse path channels by Signal Key Press (optional)
- ✳ Micro Controller based SMPS
- ✳ Lithium Battery Charger ( 7.4V 2200mA) with accuracy  $\pm 1.0$  dB $\mu$ v has been achieved with sophisticated Instruments (R&S Germany)

## TECHNICAL PARAMETERS

ITEMS	UNITS	TECHNICAL PARAMETER
Frequency Range	MHz	48 ~ 860 MHz
Channels		2to E69 All Channel+ 4 Reverse Optional path Channel
Signal Level		35 dB $\mu$ v to 115 dB $\mu$ v
Resolution		2dB
Signal Level Accuracy		$\pm 1.4$ dB $\mu$ v
Resolution Band Width		300 KHz
Attenuator		Automatic
RF Input Connector		Female (F Connector)
RF Input Impedence		75 ohms
PP Measurement Range		AC VOH 20V-99V
PP Measurement Accuracy		$\pm 2V$
Battery Protection		The meter will switch off automatically 1. When battery voltage is less than 5.8V 2. No. keys are pressed for more than 3min.
Display		LCD 16 Character, 2 Line Display with backlite

DB Meter  
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