

# DIGITAL SIGNAL LEVEL METER SM2008



## Features:

- 3.5" TFT color LCD display.
- Monitor the video.
- Analyze Digital channel (Power level, Constellation diagram, MER, BER and etc.).
- Analyze Analog channel (LEVEL C/N and etc.).
- Support all QAM modes (16QAM, 32QAM, 64QAM, 128QAM, 256QAM).
- Support DVB-C/ITU-T J.83-Annex A/C.
- Spectrum analysis.
- Small, light, really portable.

## Specifications:

### A. Digital channels Measurement:

Tuning range: from 5M ~ 870MHz  
Tuning mode: by channels or by frequency  
Support: 16/32/64/128/256QAM  
Digital power: 30dB $\mu$ V ~ 120dB $\mu$ V  
Accuracy:  $\pm$ 1.5dB  
Bandwidth: Adjustable  
**MER** (modulation error ratio) measurement range:  
19 ~ 40dB for 64QAM  
Accuracy:  $\pm$ 2dB  
**BER** (bit error rate) Measured before RS decoding:  
Measurement range: 1.0E-2 to 1.0E-8  
Symbol rate: 1MS/S ~ 7MS/S  
Modulations type: 16/32/64/128/256QAM  
DVB-C/ITU-T J.83-Annex A/B/C

### B. Analogue channels Measurement:

#### Frequency/Channel

Tuning range: from 5M ~ 870MHz  
Tuning mode: by channels or by frequency  
Channel range: China standard channel and  
append Channel  
International Channel: Download and add as needed  
Resolution: 10KHz  
Bandwidth: 280kHz $\pm$ 50kHz

#### Level measurement

Range: 25dB $\mu$ V ~ 120dB $\mu$ V  
Accuracy:  $\pm$ 1.5 dB (0 $^{\circ}$ C ~ 40 $^{\circ}$ C)  
Resolution: 0.1dB  
Demodulate method: Peak value demodulate  
Input impedance: 75