

# Sadelco® Toughest Meters You Can Buy

## DisplayMax 800 Signal Level Meter Frequency Range: 5-864 MHz



### **± 1.0 dB Accuracy**

On board noise source provides precision calibration. Accuracy is guaranteed over time and temperature at all frequencies and power levels.

### **Pass-Fail Installation Check**

Check your entire system or just your favorite channels. On screen report summarizes results.

### **Digital Channel Measurement**

Check average power of digital channels. View flatness across the entire channel. Measures QAM, QPSK, VSB and QPR.

### **Ingress Analysis**

Automatically searches reverse band for ingress. Peak hold function catches intermittent problems.

### **Data Recording**

One button recording makes documentation easy. Automatically performs 24 HR FCC testing. Downloads direct to printer or to a computer.

## DisplayMax 800 Specifications

**Frequency Range:** 5-864 MHz  
**Accuracy:**  $\pm 20$  KHz  
**Resolution:** 125KHz  
**IF Bandwidth:** 280KHz

### Level Measurement

**Range:** -30 + 60 dBmV  
**Accuracy:**  $\pm 1.0$  dB at 77° F  
+ 2.0 dB Total (0° - 120° F)  
**Resolution:** 0.1 dB

### Ingress Sweep

Sweeps Sub Band in 250 KHz steps.

### Digital Channel Measurement

**Average Power Accuracy:**  
 $\pm 1.8$  dB at 77° F  
+ 2.8 dB Total (0° - 120° F)  
**Type:** QAM,QPSK,VSN and QPR

### Auto Calibration

**Noise Source Stability:**  
0.2 dB 0° - 120° F  
Measurements corrected for power level, frequency and temperature.

### Automated Testing

**Scan Rate:** 6 Carriers/sec  
**Storage:** >40 Scans of 135 Channels each.

### C/N

**Range:** 50dB  
**Accuracy:**  $\pm 2.0$  dB at 77° F  
( $\pm 3.0$  dB 0° - 120° F)

### Hum

**Range:** 0 - 5%  
**Filter:** 20 - 200 Hz

### Tilt

Automatically calculated from user selected carriers.

### Audio

Adjustable volume, waterproof mylar speaker.

### General Dimensions

4.25" x 10" x 2.75"  
11 cm x 25.5 cm x 7cm  
**Weight:** 3 lbs (1.4Kg) including case & batteries.

**Operating Temp:** 0° - 120° F  
(-18° to 49°C)

**Storage Temp:** -4° to 140° F  
(-20° to 60° C)

### Battery

**Type:** 6 Sub C Cells  
**Charge Time:** 4 Hours  
**Battery Life:** 4 hours Continuous (backlight off)  
**Electronic Shut-Off:** Saves power extends operating time

### Standard Channel Plans

NTSC, HRC, IRC, AIR (VHF,UHF), PAL, Custom plans available on request.

### Accessories Supplied

**Padded Nylon Case:** Part# CASE005  
**110 Volt AC Charger:** Part# T70  
**Nicad Battery Pack:** Part# BAT07  
**12 V Car Charger Cable:** Part# CH04  
**Operator's Manual:** Part# ST1008

### Optional Accessories

**Strand Hook/Handle:** Part# SH2  
**PC Download Cable:** Part# CA10  
**Clone Cable:** Part# CA20  
**220/240 Volt AC Charger:** Part# T70E

Specifications Subject to change without notice.