

# BTPDA-2, BTPDA-4

## Palm Top Digital and Analog Analyzers with Return Path



The BTPDA 2 and 4 are professional quality analyzers for measuring analog and digital signals (64 QAM, 256 QAM, OFDM, 8 or 16 VSB). Both instruments have an operating frequency range from 5 to 870 MHz, which supports measurements on off-air channels (2-69), CATV channels (2-135) and sub band channels (T7-T14).

### ○ Features & Benefits

- 5-870 MHz Frequency Coverage
- Digital and Analog Signal Measurements
- Automatic Tilt Measurement
- Stores up to 3 Selectable Channel Maps
- Shock and Water Resistant
- Long Life Battery Up to 16 Hours
- Auto Shut-off Feature

### ○ Specifications

#### RF

Frequency Range: 5-870 MHz  
Frequency Channel Reading:  
Digital Display  
Selectable Channel Plans: 3  
Frequency Resolution Steps: 62.5 KHz  
Input Impedance & Connector: 75 "F" Ohm  
Analog Level :  
BTPDA-2: 25/126 dBμV, -35/+66 dBmV  
BTPDA-4: 15/115 dBμV, -45/+55 dBmV  
Digital Power:  
BTPDA-2: 25/126 dBμV, -35/+66 dBmV  
BTPDA-4: 25/120 dBμV, -35/+60 dBmV  
Power and Level Measurement Accuracy @20°C:  
BTPDA-2: 1.5 dB  
BTPDA-4: 1.0 dB  
C/N & A/V Radio Measurement Accuracy  
at 20° C: 1.5 dB  
Digital Signal Quality Test on Adjacent Channel  
Digital Signal Quality Test on the Nearest Channel  
Digital Power Flatness Digital-Degraded-Analog  
Digital Power Alarms Too High-Too Low  
Leakage Measurement: BTPDA-4 Only  
Measurement Stability According to Temperature:  
0.02 dB/°  
IF Measurement Filter Bandwidth (@ -3dB):  
100 KHz  
Stereo Carrier Presence  
Low Battery Indication Monitoring

#### Audio

Universal Audio Demod: 5-870 MHz  
Demodulation Filter Bandwidth (@-3 dB):  
100 KHz  
Audio Output: 0.5 W

#### General

Power Supply: Internal NI-CAD 8 x 1.2 V x 1, 4 A  
External Voltage:  
17 VAC or DC 700 mA 230 VAC opt.  
(Ø 5.5 x 2.5 Connector on the Battery Pack)  
or 220 VAC with AC / AC adapter supplied  
3 LED Battery Charge Monitor: BTPDA-4 Only  
Back Light Display with Timer  
Battery Capacity:  
BTPDA-2: 8 hours  
BTPDA-4: 16 hours  
Battery Recharge Time:  
BTPDA-2: 10 hours  
BTPDA-4: 2 main, 6 car hours

#### Mechanical

Material: ABS and Aluminum  
Dimensions (WxHxD):  
4.32 x 11.8 x 2.36 in  
11 x 30 x 6 cm  
Weight  
Instrument & Battery: 1.76 lbs., 0.8 kg  
Bag & Transformer: 0.75 lbs., 0.34 kg

### ○ Ordering Information

Model	Description
BTPDA-2	Palm Top Digital Analyzer 5-870 MHz
BTPDA-4	Palm Top Digital and Analog Analyzer with Leakage Measurement