

# Mantis™ BLUETOOTH TRANSCEIVER

## INSTALL, TEST, VERIFY

**Mantis™** is a handheld, wireless transceiver designed specifically for sweeping, installing and verifying **BLUETOOTH** wireless devices and connections. The instrument locates all nearby Bluetooth devices, identifies them and “follows” their frequency-hopping signature allowing for RSSI measurement, Packet Error Rate breakdowns as well as other device parameters and identification. Privacy/Stealth mode renders **Mantis™** invisible to all network devices for secure verification scanning. Other features include a built-in backlit display, simple, keypad menu navigation and removable, rechargeable Ni-MH batteries for true portability.

## BLUETOOTH



Mantis is ideal for installing and optimizing Bluetooth networks and device placement.

- Detects and displays all available Bluetooth devices
- Measures Packet Error Rate
- Measures RSSI and device parameters
- Low-cost instrument that any field technician can afford
- Privacy mode keeps Mantis invisible to all Bluetooth devices
- Instantly locks on to any Bluetooth hopping pattern for continuous analysis
- Light-weight, portable and rugged design ideal for realtime network analysis
- Removable battery power (4 AA Ni-MH cells with 4 extra batteries & charger included)
- Built-in 128 x 64 Graphic backlit LCD with simple menu interface and navigation

**NEW Privacy/Stealth mode keeps Mantis invisible to any Bluetooth network**

The Mantis is just one of many exceptional design solutions from Berkeley Varitronics. Call us today for more information:  
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# Mantis™ BLUETOOTH TRANSCEIVER



## INSTALL, TEST, VERIFY

### BANDS SUPPORTED

ISM: 2.400-2.485 GHz

### RF SENSITIVITY (Wide Band)

-20 to -90 dBm

### RSSI MEASUREMENT (Narrow Band)

-30 to -90 dBm @ 687.5 kHz resolution bandwidth

### TUNING INCREMENTS

FHSS

### PACKET PREAMBLE DEMODULATOR and ANALYZER:

Multipath Measurement and Graphical Display

### POWER MEASUREMENTS:

#### RATIO

AP Power Measurement

-20 dBm : -90 dBm

### GENERAL SPECIFICATIONS

IF Bandwidth:

Wideband 22 MHz

Stability:

± 2.5 PPM Temp range 32° to 120 F°

Antenna:

SMA Female 50 ohm

Controls:

4 button keypad

Warm Up Time:

< 3 minutes

Power:

Internal batteries (4 AA Ni-MH)

Weight:

Under 2 lbs.

Dimensions:

2" H x 4" W x 9" L (water resistant, high impact ABS plastic case)



Mantis includes 8 AA Ni-MH batteries, fast-charger, low profile 3dBi 2.4 GHz antenna (SMA Female 50 ohm) and carrying case