Bird®

Hand-Held Digital Power Meter

5000-XT



The **RF** Experts

The hand-held digital power meter has been completely redesigned with the new Bird® 5000-XT. Ideally suited for field techs and engineers who need to make power measurements anywhere they go, the 5000-XT's new user interface has an intuitive, menu-driven design, making it the easiest to use on the market. It's operable even with one hand and compatible with all our field and legacy sensors.

- Rugged field meter tested to military standards.
- Works with most Bird field sensors.
- Up to 60 hours of continuous battery life.
- Automatically detects sensor and displays appropriate screen.
- Data logging with up to 7 days of on board memory.

PROBLEMS/SOLUTIONS

Poor lighting or bright light
- Indoor/outdoor viewable monochrome VGA display with backlight.

Lack of access to AC
- Up to 60 hours of continuous use battery life.

Physically demanding environments
- Single key allows one-hand toggling through operations.
- Locking mechanism prevents unintentional sensor disconnects.
- Compliant with MIL spec drop test.
- Light weight at only 1.4 lbs.

Varying field tech skill levels
- Multiple measures to identify failure mode.

Need for power measurement comparison
- Data logging capability with 1 GB of memory, storing and transfer of up to 7 days of data.

APPLICATIONS

Signals Measured: WiMAX, (IEEE 802.16), GSM/EDGE, W-CDMA, LTE, WiFi (802.11), HSUPA/HSDPA,TD-SCDMA, TETRA, P25, Zigbee (IEEE 802.15), Bluetooth, RFID, DVB, DMB and MediaFlo.

Measurements performed: VSWR, peak power, true average power, crest factor, CCDF and burst power.

Sensors supported: 14

Display languages: English, Spanish and Chinese

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SPECIFICATIONS

Display	Indoor/Outdoor Viewable Monochrome VGA Display with Backlight
Functions (Sensor Limited)	VSWR Peak Power True Average Power Crest Factor CCDF Burst Power Data Logging
Sensor Detection	Automatic
Battery	20 Hours Continuous Usage with WPS Series Sensors 60 Hours Continuous Usage with All Other Sensors
Calibration Interval	No calibration required
Languages	English, Mandarin, Spanish
Dimensions	6.6"x4.0"x1.95" (168 mm x 102 mm x 50 mm)
Interface **Sensor** **PC**	 DB9 USB 2.0 SeaLatch Type A USB 2.0 SeaLatch Type B
Weight with battery	1.4 lbs
Operating Temp.	0 to +50 °C
Storage Temp.	-20 to +50 °C
Drop Tested	EN 61010-1, MIL-STD-810F, MIL-PRF-28800F, Class 2
International Certs.	CE, RoHS

ACCESSORIES

5A5001-1	Battery, Installed
5A5002-1	Power Supply, Includes Brick, cord, 3 Intl Adaptors
5A2238-4	Cigarette adaptor
5A2653-6L2	USB SeaLatch Cable, 6'
5A2264-09-MF-10	DB9 Cable, 10'
920-5000-XT	Operations Manual , Multilanguage
5A5000-1	Soft Case

COMPATIBLE SENSORS

5010B	Direction Power Sensor, DB9
5011	Terminating Power Sensor, 4 GHz, DB9
5011-EF	Terminating Power Sensor, 12 GHz, DB9
5012D	Wideband Power Sensor
5014	Direction Power Sensor, USB
5015	Terminating Power Sensor, 4GHz, USB
5015-EF	Terminating Power Sensor,12GHz, USB
5016D	Wideband Power Sensor
5017D	Wideband Power Sensor
5018D	Wideband Power Sensor
5019D	Wideband Power Sensor
7020-1-010101	Wideband Power Sensor, 350-4000 MHz
7020-1-030301	Wideband Power Sensor, 25-1000 MHz