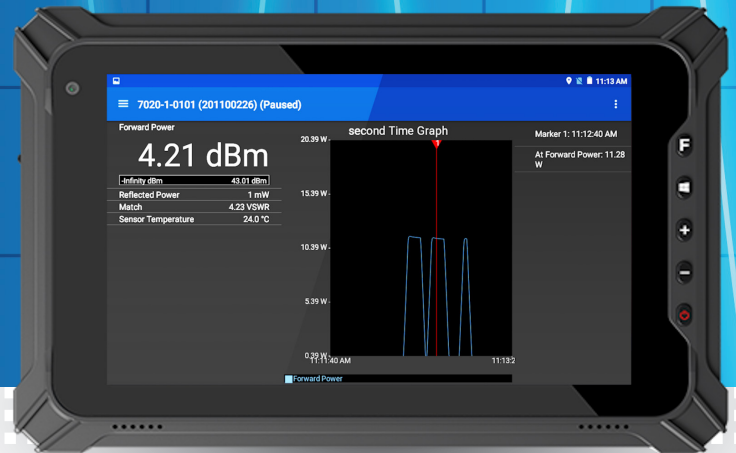


RF POWER EDGE POWER METER DISPLAY

5000-XR



RF Power Testing Redefined!

Bird's new 5000-XR RF Power Meter Display transforms the way you measure RF power. This hand-held portable meter captures, collects, and displays RF power measurements on a touch screen, high-resolution display, allowing you to review quickly and easily data in the field or in an R & D lab environment.

Operating over a broad frequency range using one of Bird's USB RF power sensors, the 5000-XR allows you to quickly measure True Average Power, VSWR, Return Loss, and more.

This fully digital power meter automatically detects the sensor in use and saves session information. The Android operating system makes it easy to share data via Bluetooth, USB, or email.

The large, sunlight readable color touch screen puts measurements at your fingertips. For secure locations, the 5000-XR-WD is available which disables all wireless and camera capabilities of the display.

PRODUCT FEATURES

- Rugged, 8" color touch screen display for worry-free field use
- Automatic sensor detection that works with 12 supported Bird field sensors
- Field-swappable battery for extended use
- Built-in camera to document equipment serial numbers and model number for warranty documentation and installation validation.
- Tried and true power measurement with simple set-up
- Data logging, numerical & graphics display
- Easy data transfer via USB, Bluetooth, or WiFi
- 5000-XR-WD disables all wireless and camera capability for work in secure sites

Next generation display for
power measurement with
automatic sensor detection.

KEY MEASUREMENTS

(When paired with a Bird Power Sensor)

- True Average Power (Forward and Reflected)
- VSWR, Return Loss, rho, Match Efficiency
- Peak Power, Peak to Average Ratio, Crest Factor, PEP
- Burst and Burst Average Power
- CDF, CCDF, Confidence %
- Pulse Parameters
- Sensor Temperature

5000-XR

Specifications

MODELS

5000-XR	Power Meter Display
5000-XR-WD	Power Meter Display, Wireless & Camera disabled

MEASUREMENT

Frequency Range	2 MHz to 6 GHz with external power sensors (not included)
Key Measurements	True Average Power (Forward and Reflected) VSWR, Return Loss, rho, Match Efficiency Peak Power, Peak to Average Ratio, PEP, Crest Factor, Burst and Burst Average Power, CDF, CCDF, Confidence %, IEEE 194 Pulse Parameters, Sensor Temperature

CONNECTORS

USB-C	Charging, Commucation with sensors
USB-A	Commucation with sensors
12-pin Pogo Pin	Charging

COMPATIBLE SENSORS

5012D	Wideband Power Sensor, 350 MHz to 4 GHz, 150 mW to 150 W, 400 W Peak
5014	Directional Power Sensor, 2 MHz to 2.7 GHz, 125 mW to 1 kW, Full scale
5016D	Wideband Power Sensor, 350 MHz to 4.0 GHz, 25 mW to 25 W, 60 W Peak
5017D	Wideband Power Sensor, 25 MHz to 1.0 GHz, 500 mW to 500 W, 1300 W Peak
5017D-AV	Wideband Power Sensor, 100 MHz to 1.3 MHz, 500 mW to 500 W, 1300 W Peak
5018D	Wideband Power Sensor, 150 MHz to 4.0 GHz, 100 mW to 25 W, 60 W Peak
5019D	Wideband Power Sensor, 25 MHz to 1.0 GHz, 100 mW to 100 W, 250 W Peak
7020-1-010101	Wideband Power Sensor, 350 MHz to 4.0 GHz, 150 mW to 150 W
7020-1-020101	Wideband Power Sensor, 350 MHz to 4.2 GHz, 150 mW to 150 W
7020-1-030301	Wideband Power Sensor, 25 MHz to 1.0 GHz, 500 mW to 500 W
7022	Statistical RF Power Sensor, 350 MHz to 6 GHz, 0.25 W to 500 W
4042 Series	Channel Power Sensor, 100 MHz to 1.0 GHz, 50 W
4043 Series	Directional Power Sensor 118 MHz to 940 MHz
4044 Series	Non-Directional Power Sensor, 144 MHz to 940 MHz, 125 W

SYSTEM

Display	Full-Color 8" 1280 x 1920-pixel display w/backlight
Operating System	Android 14
Languages	English
Storage	128 GB
Data Transfer	USB drive, PC, WiFi, or Bluetooth
Battery	Removable, Rechargeable, 10 Ah 3.8V Li-Ion Battery
Battery Life	9 hours typical
Recommended Calibration Interval	No calibration required (sensor calibration recommended)
Power Supply	AC: 100 to 240 V / 50-60 Hz; DC: 5V/2.5 A
Upgradeability	Firmware field-upgradable via USB port
Additional Functions	Data logging, numerical & graphing display
Sensor Detection	Automatic USB Sensors WiFi 802.11 Network scan for ACMI, BPME & CPM

ENVIRONMENTAL

Operating Temperature	-20 °C to 50 °C (-4 °F to 122 °F)
Storage Temperature	Tablet: -30 °C to 70 °C (-22 °F to 158 °F) Battery: -20 °C to 35 °C (-4 °F to 95 °F)
Altitude	Up to 15,000 ft (4,572 m)
Certification	MIL-STD-810H, IP65, CE, FCC

PHYSICAL

Size	8.8 in x 6.0 in x 0.8 in (223 mm x 151 mm x 20 mm)
Weight	2.0 lb (0.91 kg)

STANDARD ACCESSORIES

5A2653-3R5NL4	Cable, USB SeaLatch Cable, 72 in
5A2653-6L	Cable, USB 72 in
5B5000-1	Premium Carrying Case
5B5003-1	Charger, International, 5 V, 2.5 A
SK-TP-112	Stylus
920-5000-XR	Instruction Manual

OPTIONAL ACCESSORIES

5B5001-1	10 Ah Li-Ion Battery, spare
5B5005-1	Charging stand: charges 5000-XR and spare battery

birdrf.com/products

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