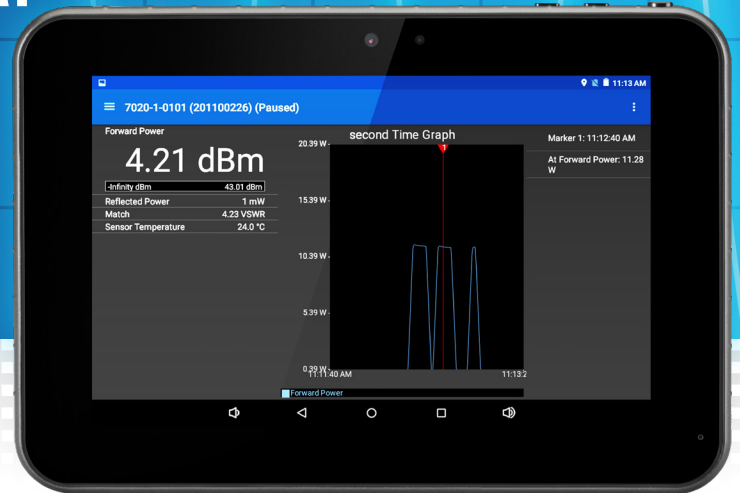


RF POWER EDGE DIGITAL POWER METER DISPLAY

NEW

5000-NG



RF Power Testing Redefined!

Bird's new 5000-NG RF Power Meter Display transforms the way you perform RF power meter testing. A giant leap forward, 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-NG 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. Take RF power measurements, enable smoothing level for more stable readings, or max hold to detect the maximum power.

Bird's new portable lightweight tablet features a large, sunlight-readable color touch screen. This easy-to-use, intuitive interface saves time and ensures a fast learning curve for technicians.

PRODUCT FEATURES

- Rugged, 8" color touch screen display for worry-free field use
- Automatic sensor detection that works with 14 supported Bird field sensors
- 48 hours of battery life for extended use
- 5.0 Megapixel 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 or WiFi

Next generation display for
power measurement with
automatic sensor detection.

KEY MEASUREMENTS

- 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 %
- IEEE 194 Pulse Parameters
- Sensor Temperature

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	Micro USB PC interface & charging and Standard USB power sensor interface
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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
7020-1-030301	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

POWER MONITORING SOLUTIONS

3141	Radio System Monitoring
ACMI	Antenna & Cable Monitoring
BPME	Broadcast Power Monitoring

SYSTEM

Display	Full-Color 8" 1280 x 800-pixel display w/backlight
Operating System	Android 5.1
Languages	English
Storage	16 GB
Data Transfer	USB drive, PC, WiFi, or Bluetooth
Battery Type	Rechargeable, 3.7 V/6200 mAh lithium battery
Battery Life (display in sleep mode)	24 hrs. continuous usage w/5012 Series or 7022 sensors, 48 hrs. continuous usage w/all other sensors
Battery Charge Time	6 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 60 °C (-4 °F to 140 °F)
Storage Temperature	-20 °C to 80 °C (-4 °F to 176 °F)
Altitude	Up to 15,000 ft (4,572 m)

CERTIFICATIONS

Compliance	CE, RoHS
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PHYSICAL

Size	9.2 in x 6.3 in x 1.1 in (233 mm x 160 mm x 28 mm)
Weight	1.3 lb (0.59 kg)

STANDARD ACCESSORIES

5A2653-3R5NL4	Cable, USB SeaLatch Cable, 72 in
5A2653-6L	Cable, USB 72 in
5B5000-2	Carry Case, Soft
5B5002-1	Charger, International, 5 V, 2.5 A P
5B5002-2	Charger, US, 5 V, 2.5 A
SK-TP-112	Stylus
920-5000-NG	Instruction Manual

OPTIONAL ACCESSORIES

5B5000-1	Premium Soft Case, 5000-NG
TV-RCV2	Boot, Protective Rubber
TV-SP-GCV1	Screen Protector, Impact-Resistant

birdrf.com/products

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