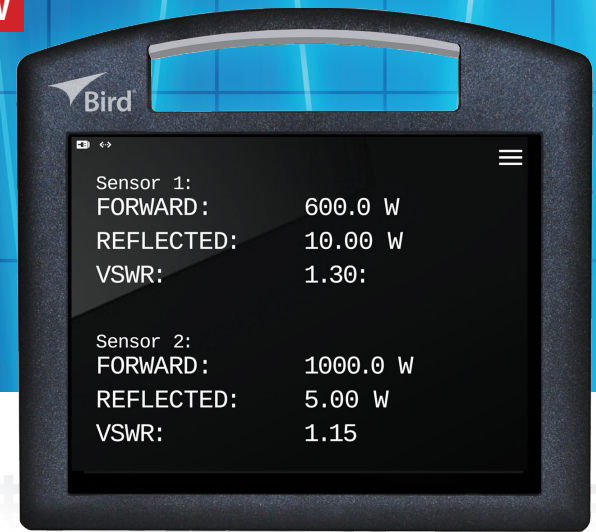


POWER METER

Multifunction

MODEL 4421A

NEW



Dual Sensor Inputs

The Model 4421A is a Multifunction Power Meter to be used in combination with Bird's Precision Power Sensors to display RF power readings with up to 1% accuracy. This intuitive display unit clearly identifies the Forward and Reflected power measurements within the RF path. In addition, return loss readings can also shown to provide additional insight into the RF system being monitored.

The 4421A is the next generation replacement for the industry standard Model 4421. Building upon the original model's high level of accuracy and its ease of use, the new 4421A enhances the meter's functionality by utilizing a smaller/lighter design, and by providing the ability to have dual sensor inputs.



MODEL 4421A
Side Views

PRODUCT FEATURES

- Compatible with the full line of Bird's 402x-Series power sensors.
- Automatic sensor detection for seamless integration.
- Large 9.7 in full color LCD touchscreen display for easy readability.
- Dual sensor option expands measurement capabilities.
- Compact, lightweight and portable design enhances functionality.

FUNCTIONS

- Forward Power in W or dBm
- Reflected Power in W or dBm
- Return Loss in VSWR, RL, or Reflection Coefficient

MULTIFUNCTION POWER METER

MODEL 4421A

Specifications

MEASUREMENT

Compatible Bird Sensors	4021, 4022, 4023, 4024, 4025, 4027 Series, 4028 Series
Power Range	Sensor dependent
Frequency Range	Sensor dependent
Sensor Channels	Model dependent, 1 or 2
VSWR Display	1.0 to 199.9
Return Loss Display	0 to 40 dB

SYSTEM

Display	9.7 in TFT full color LCD with touch screen
AC Power	100-240 VAC, 50/60 Hz, 30 W
Fuse rating	1A, IEC (5 x 20 mm), time-delay
Battery Type	Internal, rechargeable
Battery Life	Up to 7 hours
Battery Charger	Built-in. Approximately 4 hours to fully recharge.

CONNECTORS

Interfaces	Model dependent: RS-232, RJ-45
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PRODUCT SELECTION GUIDE

Model Number	# of Sensors	Communication Port
4421A-10-00-0	Single 402x Sensor	No
4421A-20-00-0	Dual 402x Sensors	No
4421A-10-11-0	Single 402x Sensor	RS-232
4421A-20-11-0	Dual 402x Sensors	RS-232

ENVIRONMENTAL

Humidity	95% max, noncondensing
Altitude	4,600 m max
Operating Temperature	0 °C to 40 °C
Storage Temperature¹	-10 °C to 50 °C, < 1 month -10 °C to 35 °C, < 6 months -10 °C to 25 °C, > 6 months

PHYSICAL

Size	10.6 in x 9.7 in x 3.6 in (269 mm x 246 mm x 91 mm)
Weight	Less than 5 lb

CERTIFICATIONS

CE	CE Compliant
Shock and Vibration	MIL-PRF-28800F Class 4 Compliant

¹ -Storage temperature limited by battery specification. Storage outside this range may degrade battery performance. For best performance, a full recharge is recommended every 6 months or if stored below 0 °C.

birdrf.com/products

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