



Multifunction Power Meter



The RF Experts

Precision Power Meter for Semiconductor Processing Applications 4421 Multifunction Power Meter is a precision RF instrument that, while originally intended for general purpose laboratory applications where high accuracy is required, has found wide acceptance in semiconductor processing applications. The product is configured as a system, consisting of the 4421 and a precision power sensor selected for the application based upon maximum power and operating frequency.

SPECIFICATIONS

Power Range	Sensor dependent
Frequency Range	Sensor dependent
VSWR Range	1.0 – 199.9 max
Return Loss Display	0 to 40 dB max
Display Accuracy	± 1 on least significant digit
AC Power	115/230 Vac @ 50/60 Hz; 60 W
Batteries	8 Nickel Metal Hydride 1.2 v cells, rechargeable
Battery Life	Approximately 8 hours continuous usage (reduced after high temperature charging)
Battery Charger	Built-in battery charger. Drained batteries require approximately 28 hours to recharge
Display	LCD, 4½ digit display. Indicates mode, measurement units, battery condition, remote status, and signal increase/decrease. Self contained backlight
Interfaces	IEEE-488 GPIB, RS-232
Fuse Rating	IEC (5 x 20 mm) Time Lag Type T
115 Vac	T630 mA
230 Vac	T315 mA
CE	CE Compliant. Refer to Declaration of Conformity for specific standards
Humidity	95% max. (noncondensing)
Altitude	Up to 10,000 feet (3,000 m)
Operating Storage	0 to 50 °C (32 to 122 °F) -20 to +50 °C (-4 to +122 °F)
Safety Standard	CE Compliant:
Dimensions	10.7"L x 12.25"W x 4.25"H (271 x 310 x 109 mm)
Weight, Nominal	10 lbs. (4.5 kg)

