

# Multifunction Power Meter

4421



- Precision Power Meter for Semiconductor Processing Applications
- $\pm 1\%$  Accuracy when used with the Bird 4027 Series Sensors
- Wide Dynamic Range - The instrument will meet the full accuracy specification over a 35 dB dynamic range
- Excellent Measurement Repeatability - Typically  $<0.1\%$
- Digital Display - Along with automatic VSWR calculation
- Computer Interface - RS-232 and IEEE-488 standard

## 4421

<b>Power Range</b>	100 mW to 50 kW FS
<b>Frequency Range</b>	100 kHz - 1 GHz
<b>VSWR Range</b>	1.0 - 199.9
<b>Functions</b>	Forward and reflected power in W or dBm, VSWR, return loss in dB and min./max. values
<b>Overrange</b>	Audible warning when RF power input exceeds 120% of sensor's maximum power range
<b>Indication Display</b>	3 1/2 digit-liquid crystal display with indicator for mode, measurement units, battery condition, programming status, and trend arrows. Switchable backlight.
<b>Operating Power</b>	115/230 VAC, 50/60 Hz or 8 nickel metal hydride 1.2 V cells (NEDA type 10014)
<b>Nominal Size</b>	12 9/32" L x 12 5/32" W x 4 1/4" H (312 mm x 309 mm x 108 mm) with handle extended 15 7/16" L (392 mm)
<b>Weight</b>	11 lbs. (5 kg.)
<b>Interconnects</b>	1 meter latch-n-lock coiled cable
<b>Interfaces</b>	IEEE-488 and RS-232 standard
<b>Dimensions</b>	4 1/2" x 6 1/2" (114 x 165 mm)
<b>Required Product</b>	RF Power Sensor
<b>Accessories</b>	Case 4300A215 19" Panel Mount Kit 4421-250 Latch & Lock Cable 4421-038

**CE** EMC EN 61326-1:2006

## 4421A530 (Calibration Key)

<b>Weight</b>	3 oz. (85 g.)
<b>Cable Length</b>	Approx. 3 ft. (1 m)w
<b>Required Products</b>	4421 power meter, 4020 Series power sensor, RF power source, RF low-pass filter, RF terminating power standard and IBM compatible computer fitted with a GPIB card-specify standard.
<b>Measurement Cycle</b>	1 Year
<b>Limitation</b>	Not compatible with 4027 or 4028 Series Sensor