



PowerSensor+™ USB Power Measurements From LadyBug Technologies

USB power sensor/meter products from LadyBug Technologies feature unmatched performance, stability and accuracy within a highly compact meter-sensor package, No-Zero-No-Cal™ capability and unprecedented ease of use. PowerSensor+™ products address key aspects of CW (true RMS average), pulse, and other modulated signal power measurements such as pulse envelope measurements as well as general purpose scalar measurements. Compared to traditional power measurement solutions, the PowerSensor+™ USB power measurements offers dramatic improvements in overall cost, flexibility, and automated test development time.

No-Zero-No-Cal™

LadyBug Technologies has made the traditional zero & calibration processes obsolete with a No-Zero-No-Cal™ design that calibrates each USB PowerSensor+™ sensor/meter across its full operational temperature range eliminating the traditional power meter zero or cal requirement. During use, the LadyBug sensor/meter measures the temperature for each power reading, employing a patent pending technique to ensure that the correct factory temperature calibration factor is always applied to each measurement providing exceptional measurement stability over temperature.

PowerSensor+™ Selection Guide

Model Number	VSWR	Dynamic Range	Measurement Capability
LB478A 10 MHz to 10 GHz	1.15:1	-35 dBm to +20 dBm	Pulse,Pk,Avg (True RMS), DC
LB479A 10 MHz to 10 GHz	1.09:1	-60 dBm to +20 dBm	Pulse,PK,Avg (True RMS), DC
LB480A 50 MHz to 10 GHz	1.09:1	-60 dBm to +20 dBm	Pulse,Pk,Avg (True RMS), DC Pulse Profiling
LB559A 10 MHz to 12.5 GHz	1.20:1	-55 dBm to +20 dBm	Avg (True RMS)
LB579A 10 MHz to 18 GHz	1.20:1	-55 dBm to +20 dBm	Avg (True RMS)
LB589A 10 MHz to 26.5 GHz	1.20:1	-55 dBm to +20 dBm	Avg (True RMS)
LB679A 50 MHz to 20 GHz	1.20:1 1.29:1	-40 dBm to +20 dBm	Pulse,Pk,Avg (True RMS), DC
LB680A 50 MHz to 20 GHz	1.20:1 1.29:1	-40 dBm to +20 dBm	Pulse,Pk,Avg (True RMS), DC Pulse Profiling

Applications

- General purpose scalar measurements
- General average and pulse profile RF & microwave power measurements requiring leading edge accuracy:
 - True RMS Average CW & pulsed signals
 - Narrow and wide band signals: CDMA, W-CDMA, QAM, OFDM, GSM, TDMA, QPSK, FSK, AM, FM, etc.
 - Recorders, power monitoring, and ALC loops
- Research & development, and manufacturing
- Maintenance, repair, installation, and service
- Communications
- Radar, wireless, satellite, radio links, etc.

