



LB5900 Series True-RMS Power Sensor Ordering Guide

Sensor Model	Frequency Range	Standard Connector	Optional Connectors
LB5908A	1 MHz to 8 GHz	Type-N Male	SMA M/F; 3.5mm Male; N-Female;
LB5908L	9 kHz to 8 GHz	Type-N Male	SMA M/F; 3.5mm Male; N-Female;
LB5912A	1 MHz to 12 GHz	Type-N Male	SMA M/F; 3.5mm Male; N-Female;
LB5918A	1 MHz to 18 GHz	Type-N Male	SMA M/F; 3.5mm Male; N-Female;
LB5926A	1 MHz to 26.5 GHz	3.5 mm Male	SMA Male or SMA Female
LB5926L	9 kHz to 26.5 GHz	3.5 mm Male	SMA Male or SMA Female
LB5940A	1 MHz to 40 GHz	2.92 mm Male	N/A
LB5940L	9 kHz to 40 GHz	2.92 mm Male	N/A
LB5944A	1 MHz to 44 GHz	2.4 mm Male	N/A
LB5944L	9 kHz to 44 GHz	2.4 mm Male	N/A

Option 050 for LB5944A/L

Adds Calibration to 50 GHz

Optional Connectors, limited by connector frequency specification & may affect lead time

Super SMA Female Connector (Option OSF), SMA Male (Option OSM), Type-N Female (Option ONF), 3.5mm Male (Option 35M)

Analog Recorder Output (Option 001)

Provides software selectable 10Hz fully calibrated, scalable Recorder Out and un-calibrated Wideband Analog amplified detector output through an SMB Male connector. Only one may be used a time. Outputs 0-1 Volt into 1,000 ohm load.

Internal and External Triggering Included

Triggering is included on all LB5900 Series Sensors. Trigger Out shares the connector with Recorder/Wideband Out, and cannot be used simultaneously (Software Selectable).

Unattended Operation (Option UOP)

Allows unattended autonomous operation of the sensor in conjunction with the internal real-time-clock. Up to 50,000,000 measurements can be stored in non-volatile memory. Only power is required when using Option UOP.

Extended Calibration (Option CO3)

Adds two calibrations (shipping not included) providing three years of calibration.

Option MIL

Prevents writes to the user memory area of the sensor including offsets, calibration data unattended storage. Consult the factory for other specifications. Not compatible with Option SAN.

Secure Erase (Option SAN)

Secure erase feature, securely erases user memory in sensor, including offsets, user calibration data, and unattended storage. Allows use of memory in the sensor. Sensor can be erased prior to leaving a secure facility. Not compatible with Option MIL.

Direct Connection via SPI or I2C (Option SPI)

Designed for ATE system builders that need high accuracy power measurements but do not wish to use USB connectivity. Because the sensor is fully self-contained no USB connection is required. When using Option SPI customers can directly connect to the sensor with standard I2C or SPI interfaces.

<p><u>Secure USB Cable (Item LBA05)</u> Provides a connection that cannot be accidentally removed from the sensor. Ideal for sensors that are hidden from view inside test equipment and for sensors mounted on movable objects. Cable includes a 4-40 screw that mates with the rear bulkhead of the sensor.</p>	
---	--

<p><u>ATE Mounting Bracket (Item LB956A)</u> Mounting Bracket is designed to hold the sensor securely and safely. The plastic mounting bracket includes all required hardware and instructions needed to install the bracket and sensor inside test equipment and installations. Designed to prevent movement that may affect measurements and cause damage to the sensor.</p>	
--	---

<p><u>SMB to BNC Cable (Item LB970)</u> LB970 Is a 48" SMB Female to BNC Male cable. The SMB Male mates with either SMB connector on LadyBug sensors for use with Analog Recorder Output, External Trigger in and Out.</p>	
--	---