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LB5900 Series Sensor Ordering Guide

Sensor

| Model | Frequency Range | Std. Connector |
|---------|-------------------|----------------|
| LB5908A | 1 MHz to 8 GHz | Type-N Male |
| LB5908L | 9 kHz to 8 GHz | Type-N Male |
| LB5912A | 1 MHz to 12 GHz | Type-N Male |
| LB5918A | 1 MHz to 18 GHz | Type-N Male |
| LB5926A | 1 MHz to 26.5 GHz | 3.5 mm Male |
| LB5926L | 9 kHz to 26.5 GHz | 3.5 mm Male |
| LB5940A | 1 MHz to 40 GHz | 2.92 mm Male |
| LB5940L | 9 kHz to 40 GHz | 2.92 mm Male |

Optional Connectors - limited by connector frequency specifications & may affect lead time
Super SMA Female Connector (Option Code OSF); SMA Male (Option Code OSM)
Type-N Female (Option Code ONF); 3.5mm Male (Option Code 35M)

Optional Recorder and Wideband Output Option (Code 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.

External Triggering

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

Optional Unattended Operation (Option Code 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.

Optional Extended Calibration & Warranty (Option Codes CO3 & CW3)

Cost: See sensor table. Adds two calibrations (shipping not included) providing three years of calibration. CW3 includes sensor warranty along with calibration for 3 years total.

Option MIL

Consult the factory.

Optional Direct Connection via SPI or I2C Connectivity (Option Code SPI)

Designed for 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 either I2C or SPI standard interfaces.

Optional Secure Cable (Order Code LBA05)

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.



Optional ATE Mounting Bracket (Order Code LB956A)

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.



Optional SMB to BNC Cable (Order Code LB970)

LB970 is a 48" SMB Female to BNC Male cable. The SMB Male mates with either SMB connector on LadyBug sensors for use with Recorder and Wideband Video Output, External Trigger in and Out.



Ordering Information

A single model number may be ordered by appending the desired Sensor number with a dash between the sensor and each desired option code (Sensor-Option-Option-Option). For Example: Order *LB5918A-001-CW3* for an 18GHz Sensor with Recorder Out and Extended Calibration & Warranty. Orders and quotes from LadyBug will detail the items separately.