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Power Sensor Selection Guide

We cover the RF and microwave power measurement market with three types of power sensors. Our general purpose RMS responding sensors provide accurate, fast True RMS measurements. Our Peak & Pulse sensors accurately make statistical measurements such as Peak & Pulse Power, Duty Cycle and Crest Factor. Our Pulse Profiling sensors add triggered pulse measurements and statistical functions including CDF, CCDF and PDF measurements. Our sensors offer patented thermally stable No-Zero before use technology. Users do not need to zero the sensors before use, simply connect and measure, even for very low power levels.

True RMS Ave. Sensors	Frequency Range	Dynamic Range	Measurement
LB5908A with Type-N Male	1 MHz to 8 GHz	-60 to +26 dBm	True RMS Power
LB5908L with Type-N Male	9 kHz to 8 GHz	-60 to +26dBm	True RMS Power
LB5912A with Type-N Male	1 MHz to 12.5 GHz	-60 to +26 dBm	True RMS Power
LB5918A with Type-N Male	1 MHz to 18 GHz	-60 to +26 dBm	True RMS Power
LB5926A with 3.5mm Male	1 MHz to 26.5 GHz	-60 to +26 dBm	True RMS Power
LB5926L with 3.5mm Male	9 kHz to 26.5 GHz	-60 to +26 dBm	True RMS Power
LB5940A with 2.92mm Male	1 MHz to 40 GHz	-60 to +26 dBm	True RMS Power
LB5940L with 2.92mm Male	9 kHz to 40 GHz	-60 to +26 dBm	True RMS Power
LB5944A with 2.4mm Male	1 MHz to 44 GHz*	-60 to +26 dBm	True RMS Power <i>New Product</i>
LB5944L with 2.4mm Male	9 kHz to 44 GHz*	-60 to +26 dBm	True RMS Power <i>New Product</i>
LB559A Power Sensor +	10 MHz to 12.5 GHz	-55 to +20 dBm	True RMS Power
LB579A Power Sensor +	10 MHz to 18 GHz	-55 to +20 dBm	True RMS Power
LB589A Power Sensor +	10 MHz to 26.5 GHz	-55 to +20 dBm	True RMS Power
Pulse & Average Sensors	Frequency Range	Dynamic Range	Measurement
LB478A Power Sensor +	10 MHz to 8 GHz	-35 to +20 dBm	Peak, Pulse, Average
LB479A Power Sensor +	10 MHz to 8 GHz	-60 to +20 dBm	Peak, Pulse, Average
Pulse Profiling, Sensors	Frequency Range	Dynamic Range	Measurement
LB480A Power Sensor +	50 MHz to 8 GHz	-60 to +20 dBm	Peak, Pulse, Ave & P. Profiling
LB680A Power Sensor +	50 MHz to 20 GHz	-40 to +20 dBm	Peak, Pulse, Ave & P. Profiling

Connector Options	Code
SMA Male	OSM
SMA Female	OSF
Type-N Male	ONM
Type-N Female	ONF
3.5 MM Male	35M
3.5 MM Female	35F
2.9 MM Male	29M
2.4 MM Male	24M
Long Barrel N-Male	XNM

Other Options & Codes	Code
Extend Video Bandwidth & add Filters (Pulse Profiling Sensors)	004
Hardware TTL Level Triggering in & out	003
Analog Recorder Output - LB5900 sensors can operate w/ no computer	001
Wide Band Video Detector output	OW2
3 Extended Warranty and Calibration	CW3
3 Year Extended Calibration (adds 2 cal's to a new sensor)	C03
Add Interfaces (SPI, I2C) ribbon cable & connector for power	SPI
Add Unattended Operation Capability	UOP
Security Option (removes non-volatile storage capability)	MIL
Sanitation (Secure memory erase)	SEC
*50 GHz calibration for LB5944A or LB5944L	050

Please consult product specifications and or option guide for details and applicability.