Keysight Waveguide Power Sensors

Covering the V-band, E-band and W-band spectrums, Keysight Technologies, Inc. waveguide power sensors offer best SWR, high reliability and low loss, and come with a 50 MHz calibration port to reduce measurement uncertainties.

Waveguide power sensors comparison table

	E8486A-100	E8486A-200	V8486A	W8486A	
Frequency range	60 GHz to 90 GHz	60 GHz to 90 GHz	50 GHz to 75 GHz	75 GHz to 110 GHz	
Power linearity	-30 to +10 dBm: < ± 1%	60 to -30 dBm: < ± 1.5%	-30 to +10 dBm: ± 1%		
	+10 to +20 dBm: < ± 2% ¹	-30 to +10 dBm: < ± 1%	+10 to +20 dBm: ± 2%	± 2%	
	+10 to +20 dBm: < +1, -3% ²	+10 to +20 dBm: < ± 1.5%		-	
Maximum power	200 mW average	200 mW average	200 mW average	200 mW average	
	40 W peak	1 W peak	40 W peak	40 W peak	
	(10 μs per pulse, 0.5% duty cycle)				
Calibration factor input	Does not include EEPROM. Users need to	Comes with EEPROM to store calibration	Does not include EEPROM. Users need to	Does not include EEPROM. Users need to	
	pre-enter calibration factors into the power	factors. Users simply need to input the	pre-enter calibration factors into the power	pre-enter calibration factors into the power	
	meter; the calibration factor label will be	frequency and the correct calibration factor	meter; the calibration factor label will be	meter; the calibration factor label will be	
	provided on the power sensor unit.	will be applied.	provided on the power sensor unit.	provided on the power sensor unit.	
Connector type	Waveguide flange: UG-387/U Flange, EIA WR-12		Waveguide flange: UG-385/U	Waveguide flange: UG-387/U	
Weight	Net: 0.4 kg (0.9 lb)				
	Shipping: 1 kg (2.1 lb)				

^{1.} For EPM series power meters.



^{2.} For all other Keysight power meters.

Ordering information

	Model	Description
E-Band	E8486A-100	E-band power sensor, 60 to 90 GHz, -30 to +20 dBm
	E8486A-200	E-band power sensor, 60 to 90 GHz, -60 to +20 dBm
V-Band	V8486A	V-band power sensor, 50 to 75 GHz, -30 to +20 dBm
W-Band	W8486A	W-band power sensor, 75 to 110 GHz, -30 to +20 dBm



The calibration factor label is provided on the back panel of the E8486A-100, V8486A and W8486A.

Keysight waveguide power sensors are compatible with the following power meters:

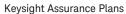
- E4416A/17A EPM-P power meters ¹
- N1913A/14A and E4418B/19B EPM power meters
- E1416A VXI power meters ¹
- N1911A/12A and N8262A P-series power meters
- 1. Only applicable to V8486A and W8486A.

Three-Year Warranty

_ (3^{vr})_

www.keysight.com/find/ThreeYearWarranty

Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.







Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

