

# Power Meter Power Sensor Special Options

This selection guide comprises the common power sensor special options (including Thermistor Mount).

For further information on power meter and power sensor specials, contact your local Keysight FE or sales office.

## Special Options

Thermistor Mounts	Description
478A-H13	Frequency range 100 KHz to 1 GHz, max SWR 1.8 to 300 KHz, 1.3 to 1 GHz, std lab cal at 13 frequencies
478A-H55	Frequency range 1 MHz to 1 GHz, max SWR 1.3
478A-H63	Frequency range 100 kHz to 1 GHz, max SWR 1.8 to 300 kHz, 1.3 to 1 GHz
478A-H72	Frequency range 1 MHz to 1 GHz, max SWR 1.2
478A-H73	Frequency range 1 MHz to 100 MHz, max SWR 1.1 except 1.05 at 50 MHz
478A-H75	Frequency range 1 MHz to 1 GHz, max SWR 1.3 except 1.05 at 50 MHz
478A-H76	Frequency range 1 MHz to 1 GHz, max SWR 1.3 except 1.05 at 50 MHz. Std lab

## RELATED LINKS

- [Keysight 478A Option H13 Product Note](#)
- [Keysight 478A Option H55 Product Note](#)
- [Keysight 478A Option H63 Product Note](#)
- [Keysight 478A Option H73 Product Note](#)
- [Keysight 478A Option H75 Product Note](#)
- [Keysight 478A Option H72 Product Note](#)
- [Keysight 478A Option H76 Product Note](#)
- [Keysight 478A Option H83 Product Note](#)
- [Keysight 478A Option H93 Product Note](#)
- [Keysight 8478B Option H01 Product Note](#)
- [Keysight 8478B Option H27 Product Note](#)
- [Keysight 8478B Option H48 Product Note](#)
- [Keysight 8478B Option H84 Product Note](#)

	cal at 50 MHz
478A-H83	1 MHz to 1 GHz, SWR 1.05 at 50 MHz. Std lab cal 1, 3, 10, 30, 50, 100, 300, 1000 MHz
478A-H93	Frequency range 1 MHz to 1 GHz, max SWR 1.3 except 1.05 at 50 MHz. Std lab cal at 50 MHz and 100 MHz
8478B-H01	VSWR at or less than 1.05 at 50 MHz
8478B-H27	Standards lab cal at 9 MHz
8478B-H48	Improved VSWR equal to 1.2:1 from 1 to 12 GHz; 1.34:1 from 12 to 18 GHz
8478B-H84	Std lab cal at specified frequencies
<b>E-Series Sensors</b>	<b>Description</b>
E4413A-H33	Specified performance for 50 MHz to 33 GHz
E9300A-H25	Power level -50 to +30 dBm (APC 3.5(m) connector)
E9300B-H01	Power Sensor-Average, 10 MHz to 18 GHz, -30 to +46.1 dBm
E9301B-H01	Average input power to 100 watts (+50dBm) to 4.2 GHz only
E9304A-H18	Frequency range 9 kHz to 18 GHz, -60 to +20 dBm
E9304A-H19	Frequency range 9 kHz to 18 GHz, -50 to +30 dBm
E9304A-H20	Frequency range 9 kHz to 18 GHz, -60 to +20 dBm, APC 3.5mm
E9304A-H84	Average Power, 9 kHz to 18 GHz, -60 To +20dBm, N-type, std lab cal at

- [Keysight 8481D Option H84 Product Note](#)
- [Keysight 8485D Option H84 Product Note](#)
- [Keysight E4413A Option H33 Product Note](#)
- [Keysight E9300A Option H25 Product Note](#)
- [Keysight E9300B Option H01 Product Note](#)
- [Keysight E9301B Option H01 Product Note](#)
- [Keysight E9304A Option H18 Product Note](#)
- [Keysight E9304A Option H19 Product Note](#)
- [Keysight E9304A Option H20 Product Note](#)
- [Keysight E9304A Option H84 Product Note](#)
- [N1921A Option C35 Product Note](#)
- [Keysight N8481A Option H02 Product Note](#)
- [Keysight N8481A Option H84 Product Note](#)
- [Keysight N8481B Option H84 Product Note](#)
- [Keysight N8481H Option H84 Product Note](#)
- [Keysight N8482A Option H84 Product Note](#)
- [Keysight N8482B Option E01 Product Note](#)

	specified frequencies
<b>P-Series Meters</b>	<b>Description</b>
N1911A-H01	Include video output
N1912A-H01	Include video output
<b>P-Series Sensors</b>	<b>Description</b>
N1921A Option C35	Frequency range 50 MHz to 18.5 GHz (3.5 mm male input connector)
<b>N8480 Series</b>	<b>Description</b>
N8481A-H02	DC Coupled Sensor 10 MHz to 18 GHz, -35 dBm to +20 dBm
N8481A-H84	Average Power, 10 MHz to 18 GHz with 1 GHz steps, -35 dBm to +20 dBm, N-Type, STD lab cal
N8481B-H84	Average Power, 10 MHz to 18 GHz, 0 to +44dBm, N-type, Std lab cal at specified frequencies
N8481H-H84	Average Power, 10 MHz to 18 GHz, -10 dBm to 35 dBm, N-type, Std lab cal at specified frequencies
N8482A-H02	DC Coupled Sensor 100 kHz to 6 GHz, -35 dBm to +20 dBm
N8482A-H84	Average Power, 100 kHz to 6 GHz, -35 dBm to +20 dBm, N-type, standard lab calibration
N8482B-E01	Power Sensor bundled solution
N8482B-H84	Average Power, 10 kHz to 4.2 GHz, 0 to +44 dBm, N-type, Std lab cal at specified frequencies

- [Keysight N8482B Option H84 Product Note](#)
- [Keysight N8482H Option H84 Product Note](#)
- [Keysight N8485A Option H02 Product Note](#)
- [Keysight N8485A Option H84 Product Note](#)
- [Keysight N8487A Option H02 Product Note](#)
- [Keysight N8487A Option H84 Product Note](#)
- [Keysight U2001A Option H03 Product Note](#)
- [Keysight U2001A Option H16 Product Note](#)
- [Keysight U2002A Option H26 Product Note](#)
- [Keysight U2022XA Option H50 Product Note](#)
- [U8481A Option H86 Product Note](#)
- [Keysight V8486A Option H02 Product Note](#)
- [Keysight E9288AZ Option K01 Product Note](#)
- [11683AZ Option K01 and K02 Power Meter Range Calibrator Installation Note](#)
- [Keysight E8486A Option 201 Product Note](#)

N8482H-H84	Average Power, 100 kHz to 4.2 GHz, -10 dBm to 35 dBm, N-type, Std lab cal at specified frequencies
N8485A-H02	DC Coupled power sensor that allows excellent low- frequency coverage including DC signal
N8485A-H84	Average Power,10 MHz to 26.5 GHz, -35 dBm to +20 dBm,3.5mm (male), Std lab cal at specified frequencies
N8487A-H02	DC Coupled power sensor that allows excellent low- frequency coverage including DC signal
N8487A-H84	Average Power,50 MHz to 50 GHz, -30 dBm to 20 dBm, 2.4mm (male), Standard lab calibration
<b>U2000 Series</b>	<b>Description</b>
U2001A-H03	USB Power Sensor, 3 MHz to 6 GHz
U2001A-H16	USB Power Sensor 10 MHz to 6 GHz with 1 kOhm external trigger impedance
U2002A-H26	USB Power Sensor, 10 MHz to 26.5 GHz
U2022XA-H50	USB Wideband Power Sensor (50MHz - 50GHz)
<b>U8480 Series</b>	<b>Description</b>
U8481A-H86	DC to 18GHz with improved specification of calibration factor/linearity
<b>8480 Series</b>	<b>Description</b>
8481D-H51	Guaranteed max SWR less than or equal to 1.2 from 18 to 18.5 GHz

8481D-H84	Std lab cal at specified frequencies
8485D-H84	Std lab cal at specified frequencies
<b>EPM-P Meters</b>	<b>Description</b>
E4416A-E20	Bundle of a E4416A, a E9322A sensor and transit case
E4416A-E23	Bundle of a E4416A, a E9322A sensor and carrying case
E4417A-E01	Bundle of a E4417A, two E4413A and transit case
E4417A-E02	Bundle of a E4417A and two E9327A
E4416AZ-K01	Power meter - EPM-P series, single channel with internal rechargeable battery
E4416AZ-K02	Retrofit Kit for E4416A to install option 002 (install not included)
E4417AZ-K01	Power meter - EPM-P series, dual channel with internal rechargeable battery
E4417AZ-K02	Retrofit Kit for E4417A to install option 002 (install not included)
E4417AZ-K03	Power meter - EPM-P series, dual channel with Internal Rechargeable Battery - Option 002 and 1A7
<b>Waveguides</b>	<b>Description</b>
E8486A-100	E-band power sensor, 60 to 90 GHz , -30 dBm to +20 dBm
E8486A-200	E-band power sensor, 60 to 90 GHz , -60 dBm to +20 dBm
E8486A-201	E-band power sensor, 54 GHz to 95 GHz, -60 dBm to +20 dBm

V8486A-H01	Frequency range calibration to 78 GHz
V8486A-H02	V-band power sensor, 50 GHz to 75 GHz , -60 dBm to +20 dBm
V8486A-H100	V-band power sensor, 50 GHz to 75 GHz , -30 dBm to +20 dBm
<b>Cables / Adaptor</b>	<b>Description</b>
E9288AZ-K01	Power meter test adapter - EPM-P
<b>Range Calibrator</b>	<b>Description</b>
11683AZ-K01, K02	Field upgrade of a standard 11683A range calibrator to 11683AZ-H01

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