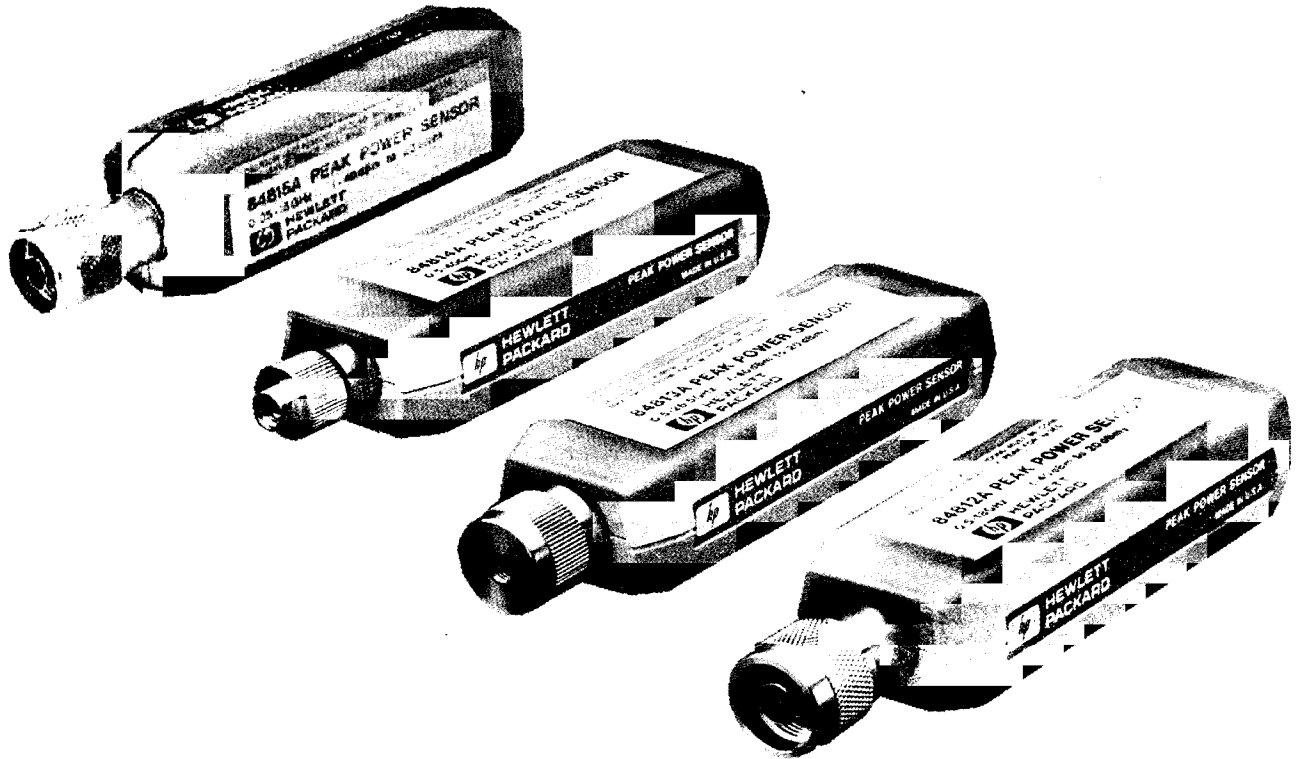


# Power Meters

304

## Peak Power Sensors

HP 84812A  
HP 84813A  
HP 84814A  
HP 84815A  
HP 11852B



HP 84815A, HP 81814A, HP 84813A, HP 84812A (left to right)

### HP 84812A/13A/14A/15A Peak Power Sensors

The HP 84812A/13A/14A/15A peak power sensors are compatible with the now obsolete HP 8990A/91A/92A peak power analyzers. The sensors can still be ordered and give outstanding measurement accuracy in demanding situations including automatic temperature sensing and correction.

#### HP 84812A/13A/14A/15A Specifications

**Frequency Range:** HP 84812A: 500 MHz to 18 GHz

HP 84813A: 500 MHz to 26.5 GHz

HP 84814A: 500 MHz to 40 GHz

HP 84815A: 20 MHz to 18 GHz

**Power Range:** Dependent upon analyzer used.

**Sensor Input SWR** (reflection coefficient):

50 MHz to 18 GHz: 1.25 (0.11)

6 to 18 GHz: 1.30 (0.13) (HP 84815A only)

18 GHz to 26.5 GHz: 1.35 (0.15)

26.5 GHz to 40 GHz: 1.60 (0.23)

**Sensor Calibration Uncertainty:**

Frequency RSS uncertainty

< 4 GHz ±3.6%

< 12 GHz ±3.8%

< 18 GHz ±4.3%

< 26.5 GHz ±5.5%

< 40 GHz ±6.5%

**Connector Type:** HP 84812A, HP 84815A: Type-N (m);

HP 84813A: APC-3.5 mm (m); HP 84814A: 2.4 mm (m)

**General Characteristics**

**Size:** HP 84812A, HP 84815A: 37 mm W x 27 mm H x 137 mm D  
(1.45 in x 1.05 in x 5.4 in)

HP 84813A, HP 84814A: 37 mm W x 27 mm H x 127 mm D

(1.45 in x 1.05 in x 5.0 in)

**Weight:** Net, 0.29 kg (0.64 lb); shipping, 0.64 kg (1.4 lb)

### HP 11852B 50 W/75 W Minimum Loss Pad

The HP 11852B is a low SWR minimum loss pad required for measurements on 75 W devices.

#### HP 11852B Specifications

**Frequency Range:** DC to 2.0 GHz

**Insertion Loss:** 5.7 dB

**Return Loss:** 75 W typically ≥30 dB, 50 W typically ≥26 dB

#### Ordering Information

HP 84812A Peak Power Sensor

HP 84813A Peak Power Sensor

HP 84814A Peak Power Sensor

HP 84815A Peak Power Sensor

Opt W30 Extended Repair Service (see page 70)

#### Price

\$1,755

\$2,015

\$2,710

\$1,855

+\$45