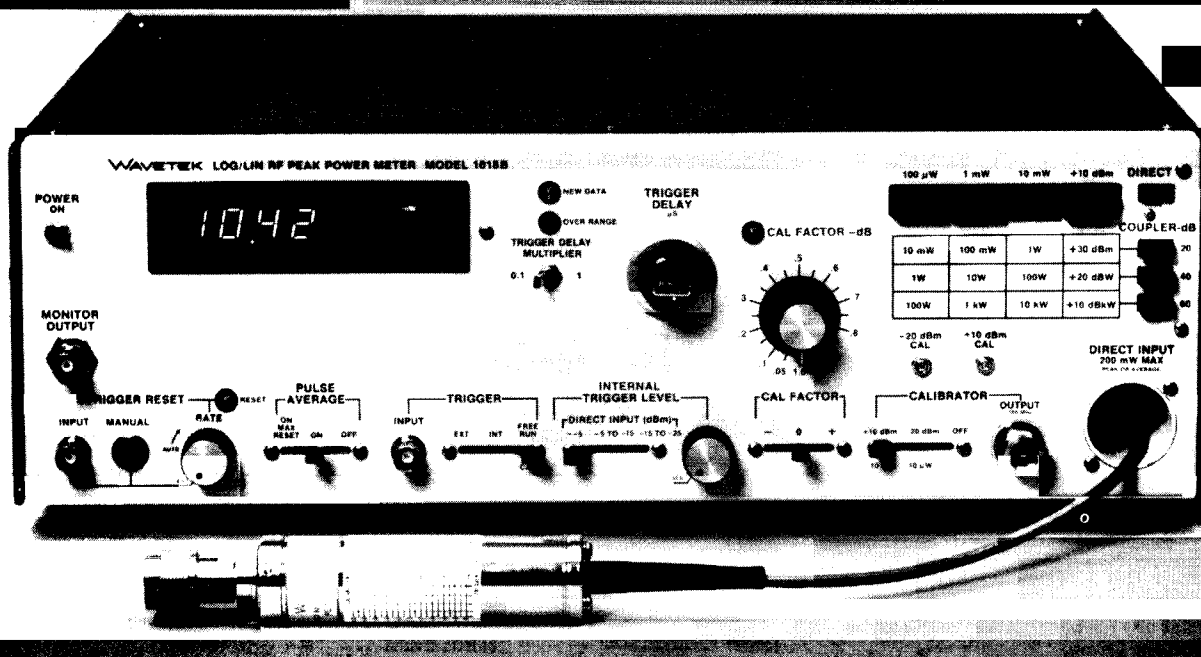


**MICROWAVE PEAK
POWER METERS
MODEL 1018B**



Microwave Peak Power Meter

- 100 MHz to 26.5 GHz
- 10 μ W to 10 mW Peak
- Reads in mW or dBm
- Measures a Single Pulse
- Three Trigger Modes

Model 1018B, a direct reading peak power meter, measures power on a single pulse, repeating pulses, or CW. Three trigger modes (Internal, External, and Free Run) plus an adjustable measurement gate, which can be placed at the desired point by use of trigger delay circuitry, add to its versatility.

The 1018B measures and digitizes its readings in only 1 ms and readings can be made at rates up to 500/s. Single pulses down to 200 ns can be sampled and displayed in either dBm, mW, or on the 1018B's three digit readout. Three fixed "Coupler-dB" ranges can be used with external couplers or attenuators to extend the measurement range for high power applications.

A GPIB option (05) can be specified, which will provide an isolated data output, as well as bus control for the trigger and trigger delay.

SPECIFICATIONS

Frequency Range: 100 MHz to 18 GHz (to 26.5 GHz with Option 07).

Power Range: 10 μ W to 10 mW (-20 to +10 dBm).

Accuracy

Linear (μ W, mW): 5% of reading.

Logarithmic (dBm): ± 0.3 dB.

Calibrator Output

High Level: +10 dBm ± 0.06 dB.

Low Level: -20 dBm ± 0.10 dB.

Impedance: 50 Ω .

Return Loss: 31 dB.

Frequency: 105 MHz nominal.

Trigger Reset

Automatic: 0.3 Hz to 500 Hz.

External: +1.5V, ± 10 V max; width $> 0.5 \mu$ s; timing $> 1 \mu$ s prior to pulse which is to be measured; > 1 k Ω input impedance.

Manual: Front panel pushbutton.

Environment

Operating: +15 $^\circ$ to +45 $^\circ$ C.

Storage: -40 $^\circ$ to +65 $^\circ$ C.

Power: 100, 120, 220, 240 Vac, $\pm 10\%$, 50 to 400 Hz, 40 VA maximum.

OPTIONS

02: APC-7 Connector

04: Isolated Data Output

05: GPIB (includes Option 06)

06: Trigger Delay Divider

07: 26.5 GHz Measurement Range

Model 1031: Rack Adapter for Model 1018B

FACTORY/FOB

Sunnyvale, CA

PRICE

Model 1018B	\$9,250
Model 1018B/02	\$9,680
Model 1018B/07	\$9,900
Model 1031	\$100
Option 04	\$965
Option 05	\$1,540
Option 06	\$235