Microwave Peak Power Meter

- 100 MHz to 26.5 GHz
- 10 μW 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. These 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 μW to 10 mW (–20 to +10 dBm).
- Accuracy
  - Linear (μW, 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: 50Ω.
  - Return Loss: 31 dB.
  - Frequency: 105 MHz nominal.
- Trigger Reset
  - Automatic: 0.3 Hz to 500 Hz.
  - External: +1.5V, ±10V max; width >0.5 μs; timing >1 μs prior to pulse which is to be measured; >1 kΩ input impedance.
- Environment
  - Operating: +15° to +45°C.
  - Storage: –40° to +65°C.
- Power: 100, 120, 220, 240 Vac, ±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