

Power Measurement Solutions

Universal USB Power Sensors



MA24208A: 10 MHz to 8 GHz
MA24218A: 10 MHz to 18 GHz
 -60 dBm to +20 dBm
 (1 nW to 100 mW)
 > 11,000 readings/s buffered
 Max power: +30 dBm avg

Microwave CW USB Power Sensors



MA24330A: 10 MHz to 33 GHz
MA24340A: 10 MHz to 40 GHz
MA24350A: 10 MHz to 50 GHz
 -70 dBm to +20 dBm
 (1 nW to 100 mW)
 > 5,600 readings/s buffered
 Max power: +26 dBm avg

Peak Power USB Sensors



MA24406A: 50 MHz to 6 GHz
MA24418A: 50 MHz to 18 GHz
MA24419A: 50 MHz to 18 GHz
MA24440A: 50 MHz to 40 GHz
MA24441A: 50 MHz to 40 GHz
 Up to 195 MHz VBW
 Crest factor, CCDF, Pulse

True RMS USB Power Sensors



MA24105A
 350 MHz to 4 GHz
 Forward and Reverse
 Measurements
 +3 dBm to 51.76 dBm
 (2 mW to 150 W)
 Inline Peak Power Sensor



MA24106A
 50 MHz to 6 GHz
 -40 dBm to +23 dBm
 (0.1 μW to 200 mW)
 USB Power Sensor



MA24108A
 10 MHz to 8 GHz
 -40 dBm to +20 dBm
 (0.1 μW to 100 mW)
 Microwave USB Power Sensor



MA24118A
 10 MHz to 18 GHz
 -40 dBm to +20 dBm
 (0.1 μW to 100 mW)
 Microwave USB Power Sensor



MA24126A
 10 MHz to 26 GHz
 -40 dBm to +20 dBm
 (0.1 μW to 100 mW)
 Microwave USB Power Sensor

Power Meters

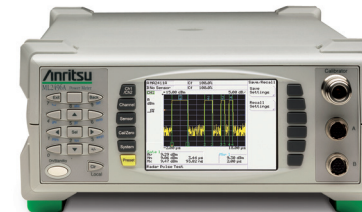


ML2437A & ML2438A
 100 kHz to 65 GHz
 Power Meters

Recommended Sensors

MA247xD
MA244xD
MA248xD
MA2400xA

Pulse Power Meters



ML2495A & ML2496A
 100 kHz to 65 GHz
 Wideband Peak Power Meters

Recommended Sensors

MA249xA
MA2411B



| | MA244xA Series | MA243xxA Series | MA242xxA Series | MA241xxA Series | MA24105A | MA2400xA Series | MA248xD Series | MA247xD Series | MA244xD Series | MA249xA Series | MA2411B |
|---|---------------------------------|---|---|---|---|---------------------------|---------------------------|---------------------|---------------------|---------------------------|---------------------------------|
| Description | USB | USB | USB | USB | In-line USB | Thermal | Universal | Standard Diode | High Accuracy Diode | Wideband | Pulse |
| Measurements | Average (RMS), Peak, Pulse | Average Power (CW only) | Average Power (RMS) | Average Power (RMS) | Average Power (RMS) | Average (RMS) | Average Power (RMS) | Average Power | Average Power | Average (RMS), Peak | Average (RMS), Peak, Pulse |
| In-line Forward & Reverse | | | | | ■ | | | | | | |
| ⁽¹⁾ Frequency (GHz) | 0.05 to 40 | 0.01 to 50 | 0.01 to 18 | 0.01 to 26 | 0.35 to 4 | 0.01 to 50 | 0.01 to 18 | 0.01 to 50 | 0.01 to 50 | 0.05 to 18 | 0.3 to 40 |
| ⁽¹⁾ Dynamic Range (dBm) | -50 to +20 | -70 to +20 | -60 to +20 | -40 to +20 | +3 to +38, 51.76 peak | -30 to +20 | -60 to +20 | -70 to +20 | -67 to +20 | -60 to +20 | -20 to +20 |
| VBW | Up to 195 MHz | 50 kHz | | | 100 Hz (avg), 4 MHz peak | | | 100 kHz | 100 kHz | 20 MHz | 50 MHz |
| Average | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Peak Power & CrestFactor | ■ | | | | | | | | | ■ | ■ |
| CCDF & PDF | ■ | | | | CCDF MA24105A only | | | | | ■ | ■ |
| PAE Measurement | ■ | | | | | | | | | ■ | ■ |
| NIST Traceable Calibration | Up to 18 GHz | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Applications | Pulse profiling, Any modulation | CW | CW, Pulse, Any Modulation | CW, Pulse, Any Modulation | CW, Pulse, Any Modulation | CW, Pulse, Any Modulation | CW, Pulse, Any Modulation | General Purpose, CW | General Purpose, CW | CW, Pulse, Any Modulation | Pulse Profiling, Any Modulation |
| Compatible Power Meters | PC with Windows 7 or higher | PC with Windows 2000 or higher, Site Master, Cell Master, Spectrum Master, VNA Master, BTS Master | PC with Windows 2000 or higher, Site Master, Cell Master, Spectrum Master, VNA Master, BTS Master | PC with Windows 2000 or higher, Site Master, Cell Master, Spectrum Master, VNA Master, BTS Master | PC with Windows 2000 or higher, Site Master, Cell Master, Spectrum Master, VNA Master, BTS Master | ML24xxA/B | ML24xxA/B | ML24xxA/B | ML24xxA/B | ML248xA/B, ML249xA | ML248xA/B, ML249xA |

Note: (1) Frequency and Dynamic Range depend upon the model number of the sensor.

