



Vibration Meter Fluke 805

URL: <https://www.sxplc.com/vibration-meter-fluke-805>

Product data sheet

Low frequency range (overall measurement)	10 Hz to 1,000 Hz
High frequency range (CF+ measurement)	4,000 Hz to 20,000 Hz
Severity levels	Good, satisfactory, unsatisfactory
Vibration limit	50 g peak (100 g rms)
A/D converter	16-bit
Signal to noise ratio	80 dB
Sampling rate	Low frequency
	High frequency
Real time clock backup	Coin battery
Sensor	
Sensitivity	100 mV/g
Measurement range	0.01 g to 100 g
Low frequency range (overall measurement)	10 Hz to 1,000 Hz
High frequency range	4,000 Hz to 20,000 Hz
Resolution	0.01 g
Accuracy	At 100 Hz $\pm 5\%$ of magnitude
Amplitude Units	
Acceleration	g, m/sec ²
Velocity	in/sec, mm/sec
Displacement	mils, mm
Infrared Thermometer (Temperature Measurement)	
Range	-20°C to 200°C (-4°F to 400°F)
Accuracy	$\pm 2^\circ\text{C}$ (4°F)
Focal length	Fixed, at ~ 3.8 cm
External sensor	
Fluke supports but does not provide external sensors	
Frequency range	10 Hz to 1,000 Hz
Bias voltage (to supply power)	20 VDC to 250 VDC
Bias current (to supply power)	Maximum 100 mA
Firmware	
External interfaces	USB 2.0 (full speed)
Data capacity	Database on internal memory
Upgrade	Through USB

Memory	Up to 3,500 mea
Radiated Emission	
Electrostatic discharge: burst	Standard EN 6
Electromagnetic interference	Standard EN 6
RE	Standard CISPR
Environmental	
Operating temperature	-20°C to 50°C (-4°
Storage temperature	-30°C to 80°C (-22°
Operating humidity	10% to 95% RH (no
Operating/storage altitude	Sea level to 3,048 me
IP rating	IP54
Vibration limit	500 g pe
Drop test	1 mete
General Specifications	
Battery type	AA (2) Lithium Iro
Battery life	250 measure
Size (L x W x H)	24.1 x 7.1 x 5.8 cm (9
Weight	0.40 kg (0.
Connectors	USB mini-B 7-pin, stereo audio output jack (3.5 mm Au

