



## Vibration Meter Fluke 805

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

### Product data sheet

Low frequency range (overall measurement)	10 Hz to 1,0
High frequency range (CF+ measurement)	4,000 Hz to 20
Severity levels	Good, satisfactory, unsatisfactory
Vibration limit	50 g peak (100 g)
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 1,0
High frequency range	4,000 Hz to 20
Resolution	0.01 g
Accuracy	At 100 Hz $\pm 5\%$ of m
Amplitude Units	
Acceleration	g, m/s <sup>2</sup>
Velocity	in/sec, mm/s
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 $\sim 3.8$ cm
External sensor	
Fluke supports but does not provide external sensors	
Frequency range	10 Hz to 1,0
Bias voltage (to supply power)	20 VDC to 2
Bias current (to supply power)	Maximum
Firmware	
External interfaces	USB 2.0 (full speed)
Data capacity	Database on internal
Upgrade	Through U

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 Ir
Battery life	250 measur
Size (L x W x H)	24.1 x 7.1 x 5.8 cm (9
Weight	0.40 kg (0.8
Connectors	USB mini-B 7-pin, stereo audio output jack (3.5 mm A

