TM1223
Accelerometer Verification Meter

VIBRATION ANALYSIS HARDWARE



Product Features

Displays the bias voltage of your IEPE Accelerometer, which can in turn indicate if a Sensor, Cable and Switch Box's installation and operation are correct.

A simple LED light indicates: "Normal", "Open", and "Short" conditions. A complete diagnostic check list is provided with the meter for trouble-shooting. The bias voltage value is the most reliable indication that the accelerometer is operating correctly. A complete cable kit is included for connecting the TM1223 test meter to most commercially available accelerometers or switch boxes.

Specifications	Standard	Metric
Electrical		
Input	9 V Battery	
Battery Life	14 Hours*	
Input Connector	BNC Jack	
Sensor Supply Current	2 mA	
Sensor Supply Voltage (Nom)	+24 VDC	
Bias Status Indicator Low Threshold	3V	
Bias Status Indicator High Threshold	17V	
Environmental		
Temperature Range (Operating)	14 °F to 130 °F	-10 °C to 54 °C
Temperature Range (Storage)	-4 °F to 140 °F	-20 °C to 60 °C

Specifications	Standard	Metric
Enclosure		
Dimensions	6.44 x 3.27 x 1.51 in.	164 x 83 x 39 mm
Weight (Battery Included)	7.8 oz	220 g
Enclosure Rating	IP40	
Voltage Indicators		
Green	3-17 V — Normal	
Red	<3 V — Short	
Yellow	>17 V — Open	

*Estimated battery life from an alkaline battery while a sensor is connected to the unit.

Supplied Accessories

Battery	9 Volt
CB103-B2A-003-F	Black polyurethane jacketed cable with seal tight boot and BNC plug connector, 3 ft length
CB103-F-003-F	Black polyurethane jacketed cable with two (2) BNC plug connectors, 3 ft length
CB103-C47-003-F	Black polyurethane jacketed cable, with BNC plug connector and tinned leads, 3 ft length