

**CMCP620 Series  
Portable Handheld Vibration Meter**



**Features:**

- Velocity and Bearing Condition (With Alarm Check)
- Used to Monitor Vibrations without Installing Equipment
- Handheld Sensor with Magnet and Stinger Tips
- Rechargeable Battery
- AC Wall and DC Auto Battery Charger
- Sensor/Cable Fault Indication
- Display Hold Function
- Choice of Metric or Imperial Measurements
- Optional Infrared Temperature Sensor

**Technical Performance**

Sensor Input:	100mV/g IEPE Accelerometer (Included)
Frequency Response:	
Acceleration:	5Hz to 12kHz (300 CPM to 720k CPM)
Velocity:	10Hz to 1kHz (600 CPM to 60k CPM)
Displacements:	5Hz to 1kHz (300 CPM to 60k CPM)
Bearing Condition:	1kHz to 12kHz (60k CPM to 720k CPM)
Ranges:	
Acceleration:	0-20g's Peak
Velocity:	0-8.00 In/Sec RMS (0-203.2mm/Sec)
Displacement:	0-78 mils (0-2,000 microns)
Bearing Condition (BG):	0-20g's RMS
Bearing Condition (BV):	0-8.00 In/Sec RMS (0-203.2mm/Sec)
Optional Temperature Sensor:	-5 to 250°F (-20.56 to 121.1°C)
Laser Guide:	Red, <1mX, IEC 60825-1 Compliant
Accuracy:	5%
Display:	LCD
Hold Mode:	Displays Alarm Status Against ISO 2954 % ISO 10816-3



**Environmental**

Operating Temperature Range:	+14 to +122°F (-10 to +50°C)
Sensor Temperature Range:	-4 to 194°F (-20 to +90°C)
Sealing:	IP54
Maximum Shock:	5000 g
EMC:	EN61326-1:2013

**Electrical**

Power:	Lithium Rechargeable Battery 3.6 Volts, 1700mA Hours 48 Hour Continuous Operation Auto Off After 3 Minutes 3 Hours from Flat Charger and Car Charger Supplied with Meter
Battery Charge:	

**Mechanical**

Case Material:	Plastic
Dimensions:	4.5" x 2.8" x 1" (114.2 x 71.1 x 25.4mm)
Weight:	5.6 Ounces (158.76 grams)
Magnetic Base:	26.5 lbs Pull Strength (12.02kg)
Stinger:	2.8" Long (71.12mm)

**Ordering Information:**

CMCP620V      Handheld Vibration Meter  
CMCP620VT     Handheld Vibration and Temperature Meter

Note:    Meters Include Meter, Charger, External Sensor, 2.5' Sensor Cable, Magnet, Stinger,  
          Carrying Case and Manual

**Accessories/Spare Parts:**

CMCP620-S            Hand Held Sensor  
CMCP620-ST          Spare Stinger  
CMCP-MB02            1" OD Magnetic Base, Curved Surface  
CMCP660-2.5          Spare 2.5' Cable  
CMCP620-MAINS      Spare AC Wall Charger  
CMCP620-DCCHG      Spare DC Auto Charger  
CMCP620-CASE        Spare Carrying Case  
CMCP620-BATT        Spare Battery

