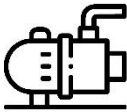
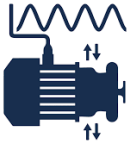
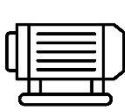


CMCP630VPT

Portable Vibration and Temperature Pen



PUMPS



MOTORS



FANS



ROTATING
MACHINERY

Features

- Quick and Easy to Setup and Use
- Backlit LCD Display
- Lightweight and Compact Case
- Velocity (in/s or mm/s RMS), Acceleration (g's or m/s² Peak) and Displacement (mils or mm Peak to Peak)
- Infrared Temperature Sensor (°F or °C)
- User Selectable English or Metric Units
- Measurement Peak Hold Function
- Anti-Interference Technology to Eliminate Hand Jitter
- 30 Hour Battery Life (Continuous Use)
- Rechargeable Battery
- Conforms to ISO 20816
- Lanyard, Travel Case, Charger, Storage Bag and ISO 20816 Severity Chart Included

Product Overview

The CMCP630VPT is a portable, handheld vibration and temperature meter designed for operators, maintenance personnel and inspectors that complies with 20816 Mechanical Vibration Standard, measurement and evaluation of machine vibration. The Standard includes Industrial machines with nominal power above 15 kW and nominal speeds between 120 r/min and 30,000 r/min with the Sensor located directly on and in contact with the measurement point. The CMCP630VPT features a shockproof high strength aluminum case, backlit LCD display for low light and direct sunlight conditions and a simple three button operation. The CMCP630VPT can measure Acceleration, Velocity, Displacement and Temperature in both English and Metric units. Further, it can display the highest measurement using the Peak Hold function. The rechargeable lithium-ion battery allows for up to 30 hours of continuous measurements and recharges using a standard 5VDC USB-C charger which is provided with the kit. An ISO 20816-3 Vibration Severity Chart is included with the kit for easily referencing the measurement with industry standards.

Specifications

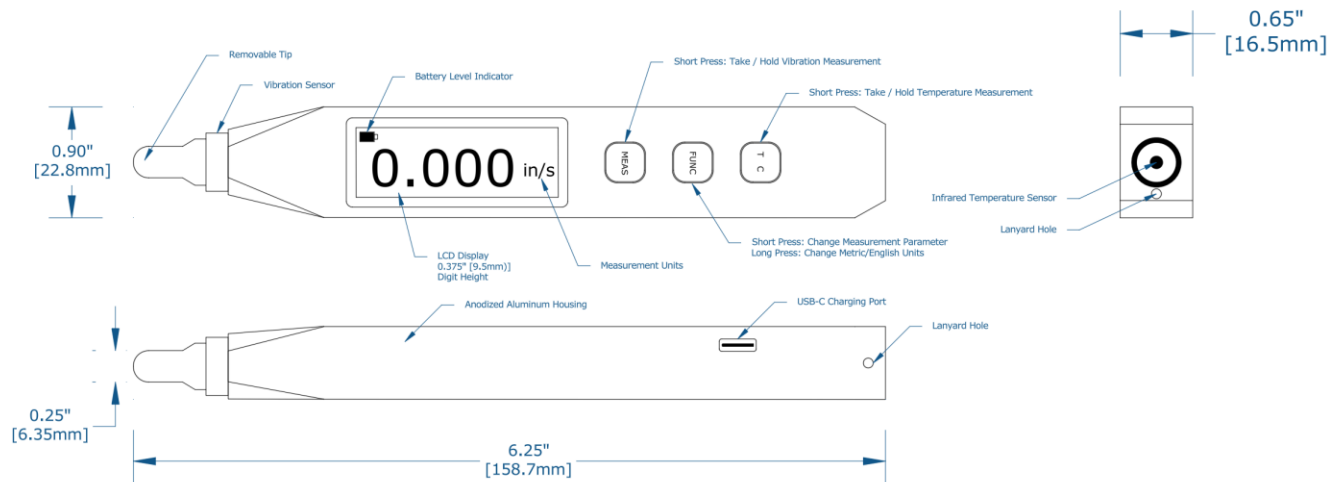
Case Material:	5052 Aluminum – Anodized
Tip Material:	316 Stainless Steel
Battery Life:	30 Hours on Full Charge
Charger:	5VDC USB Wall Charger with USB-C Cable
Units:	English/Metric Selectable
Velocity Range:	0-8.000 in/s (0-203.0 mm/s) RMS
Frequency Range:	10 Hz to 1.0 kHz (ISO Standard)
Acceleration Range:	0-20.00 g (0-196.0 m/s ²) Peak
Frequency Range 1:	10 Hz to 1.0 kHz
Frequency Range 2:	10 Hz to 15 kHz
Displacement Range:	0-80.00 mils (2.000 mm)
Frequency Range:	10 to 500 Hz
Temperature Sensor:	Infrared (Located on the back)
Temperature Range:	-20 to +260°C (-4 to 500°F)
Optimal Sensing Range:	10 cm (4")
DS Ratio:	2:1
Emissivity:	0.95
Dimensions:	6.25"0.90"x0.65" (158x22x16 mm)
Warranty:	3 Years



ISO 20816-3 Vibration Severity Chart

ISO 20816-3		Group 1	Group 2
		Large machines power > 300 kW	Medium machines 15 kW > power ≤ 300 kW
in/sec peak	mm/s rms	Motor height > 315 mm	Motor 160 > height ≤ 315 mm
0.61	11.0	Damage occurs	
0.39	7.1		
0.25	4.5	Restricted operation	
0.19	3.5		
0.16	2.8	Unrestricted operation	
0.13	2.3		
0.08	1.4	Newly commissioned machinery	
0.04	0.7		
0.00	0.0		
Foundation		Flexible	Rigid

Dimensions



Items Included

- Vibration Pen with Infrared Temperature Sensor
- Hard Travel Case
- 5VDC USB-C Wall Charger
- USB-C Charging Cable
- Lanyard
- Manual
- ISO 20816-3 Severity Chart

Ordering Information

CMCP630VPT Portable Vibration and Temperature Pen Kit (English and Metric Units)

Images



Infrared Temperature Sensor



CMCP630VP



CMCP630VPT Label

Note: Due to STI's continuous process improvement, specifications are subject to change without notice.