

CMCP630VP Portable Vibration Pen



Features:

- Quick and Easy to Setup and Use
- Backlit LCD Display for Low Light Conditions
- Lightweight, Compact and Ergonomically Designed Case
- Velocity, Acceleration and Displacement Measurements
- Peak Hold Function
- Hand Pressure
- 30 Hour Battery Life (Continuous Use)
- Rechargeable Battery
- Conforms to ISO2372
- Lanyard, Travel Case, Charger, Storage Bag and ISO 10816-1 Severity Chart Included

Product Overview

The CMCP630VP is a portable, handheld vibration meter designed for operators, maintenance personal and inspectors that complies the ISO 2372 Standard for Mechanical Vibration of Machines Operating from 10 to 200 rev/s (600 to 12,000 RPM). The CMCP630VP features a shockproof high strength aluminum case, backlit LCD display for low light and direct sunlight conditions and a simple two button operation. The Vibration Pen is capable of measuring Acceleration, Velocity and Displacement and 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 charger which is provided with the kit. An ISO 10816-1 Vibration Severity Chart is included with the kit for easily referencing the measurement with industry standards.

Specifications

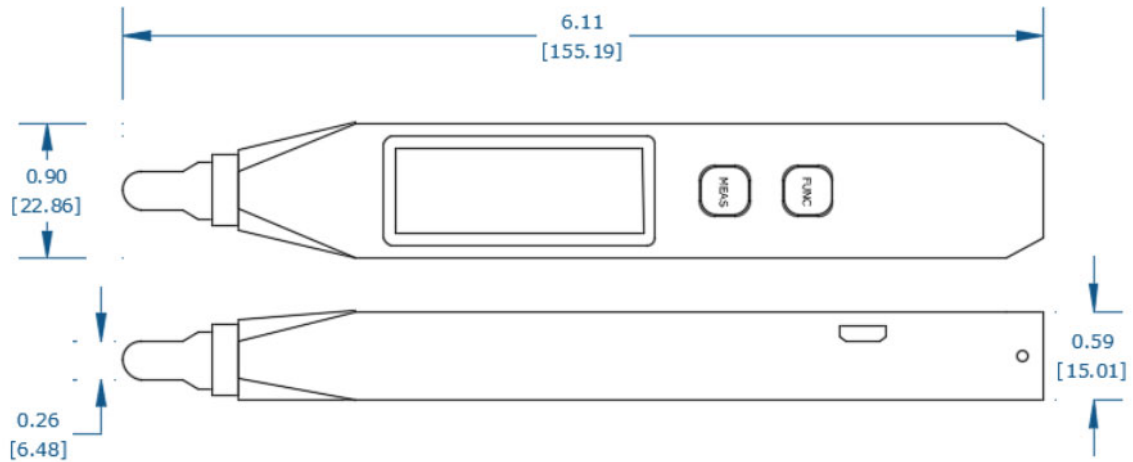
Case Material:	5052 Aluminum – Anodized
Tip Material:	316 Stainless Steel
Battery Life:	30 Hours on Full Charge
Charger:	5V USB Wall Charger (Included)
Velocity Range:	0-8.0 In/S (0-203mm/s) RMS
Frequency Range:	10Hz to 1kHz (ISO Standard)
Acceleration Range:	0-20g's Peak
Frequency Range 1:	10Hz to 1KHz
Frequency Range 2:	10Hz to 15kHz
Displacement Range:	0-80 mils (2,032um)
Frequency Range:	10 to 500Hz
Dimensions:	6.11"x0.90"x0.47" (156x23x12mm)

ISO 10816-1 Vibration Severity Chart

VIBRATION SEVERITY PER ISO 10816-1						
Machine	Class I		Class II	Class III	Class IV	
	in/s	mm/s	Small Machines	Medium Machines	Large Rigid Foundation	Large Soft Foundation
Vibration Velocity Vrms	0.01	0.28				
	0.02	0.45				
	0.03	0.71				
	0.04	1.12				
	0.07	1.80				
	0.11	2.80				
	0.18	4.50				
	0.28	7.10				
	0.44	11.20				
	0.70	18.00				
1.10	28.00					
1.77	45.90					



Dimensions



Items Included

Vibration Pen
Hard Travel Case
USB Wall Charger
USB Charging Cable
Storage Bag
Lanyard
Manual
ISO 10816-1 Severity Chart

Ordering Information

CMCP630VP-E Portable Vibration Pen Kit, English Units
CMCP630VP-M Portable Vibration Pen Kit, Metric Units

Images



LCD Display Layout



CMCP630VP



CMCP630VP Rear