

# Vibration Meter

เครื่องวัดความสั่นสะเทือน

**ponpe**

INSTRUMENTS

# Vibration Meter

เครื่องวัดความสั่นสะเทือน

## PONPE 210VB

### Technical parameters

Technical parameter	Technical specification
Vibration pickup	Piezoelectric ceramic accelerometer (shear-type)
Measurement range of acceleration	0.1~199.9m/s <sup>2</sup> peak
Measurement range of velocity	0.1~199.9mm/s rms
Measurement range of displacement	0.001~1.999mm p-p Velocity and displacement range is limited by acceleration 199.9m/s <sup>2</sup>
Measurement accuracy	±5%±2digits
Measurement frequency range of acceleration	10Hz~1KHz (LO) 1KHz~15KHz (HI)
Measurement frequency range of velocity	10Hz~1KHz (LO)
Measurement frequency range of displacement	10Hz~1KHz (LO)
Displays update cycle	1 second
LCD display	3 1/2 digits display
Single output	AC output 2 V peak (display full scale) Load impedance 10K Ω or more earphones can be connected
Power supply	9V Alkaline battery
Static current	≤20 μA
Operating current	≤25mA
Battery life	20 hours continuous use
Auto power-off	Turns off automatically in 60 seconds
LCD backlight	7 seconds
Operating temperature range	0~40°C
Operating humidity range	30~90%RH
Low battery indication	6.9V±0.2V
Dimensions	67x30x183mm
Weight	182g ( including battery)



## PONPE 211VB

### Technical parameters

Technical parameters	Technical indicators
Vibration acquisition	Piezoelectric ceramic accelerometer (shear type)
Measurement range	Acceleration: 0.1~199.9m/s <sup>2</sup> Velocity: 0.1~199.9mm/s Displacement: 0.001~1.999m
Measurement accuracy	Vibration displacement: 0.01~0.02mm, ≤±10%, ≥0.02mm, ≤±5% Vibration velocity: 0~2.0mm/s, ≤±10%, ≥2.0mm/s, ≤±5% Vibration acceleration: 0~2.0m/s <sup>2</sup> , ≤±10%, ≥2.0m/s <sup>2</sup> , ≤±5%
Frequency range of acceleration measurement	High frequency: 1KHz~15KHz (HI) Low frequency: 20Hz~1KHz (LO)
Frequency range of speed measurement	20Hz~1KHz (LO)
Frequency range of displacement measurement	20Hz~1KHz (LO)
LCD display	color display
Shuffle interval of data display	1 second
Maximum groups of data storage	7 groups
Power supply	1.5V AAA battery*2
Temperature range for operation	0~40°C
Humidity range for operation	30~90%RH
Size	180x54x30mm
Weight	250G(with batteries)



### DOUBLE SWITCH PRACTICAL APPLICATION



**Positive measurement key**  
Suitable for situations where level measurement is required



**Bottom measurement key**  
Suitable for vertical measurement environment



**Spiral Interface**  
Probe with spiral interface  
Easy to install and accurate measurement

