Vibration Meter GM63A/GM63B

Short probe

Long probe

(GM63A)

This product adopts piezoelectric effect of artificial polarized ceramic for design. it is suitable for monitoring of all kinds of vibrating mechanical facility, specially the vibration measurement of rotating and reciprocating machinery. The unit can measure acceleration, velocity and displacement, which is widely used in mechanical manufacture, electric power metallurgy and general aviation etc.

Function

	GM63A	GM63B
Simple to use, the structure is compact, portable for carrying along with measurement	√	√
Visually display measurement value and state	√	√
Acceleration, velocity and displacement measurement	√	√
Different vibration frequency selection	√	√
High sensitivity probe for accurate measurement Provides long and short probe head ,each one is suitable for different situation measurement	√	√
Equipped with AC signal output interface	√	×
Low power indication	√	√
Auto power-off	√	√
LCD backlight	√	√
Provides a magnetic probe to fit the condition uneasy hold on by hand	×	√
Maximum value hold function	×	√
Temperature unit C°/F°selection	×	√

Specification

	GM63A	GM63B
Vibration pick up	Piezoelectric ceramic accelerometer (shear-type)	
Measurement range of acceleration	0.1~199.9m/s² 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/s²	
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 10KΩ or more earphones can be connected	×
Power supply	9V Alkaline battery	
Static current	≤20μA	≤15μA
Operating current	≤25mA	
Auto power-off	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	6.4V±0.2V
Dimensions	67x30x183mm	72x35x145mm
Weight	182g (including battery)	229g(not including battery)

Application

Mechanical overhaul

Displacement, velocity, acceleration measurement

Aerospace

Magnetic probe

Long probe

(GM63B)

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