

## ◆ Sensitivity calibrator MC-20

Mini sensitivity calibrator MC-20

### The MC-20 directly calibrates accelerometers, on site

Piezoelectric accelerometers are widely used to analyze vibrations and diagnose the performance of rotating machinery. Checking the sensitivity of accelerometers after they have been used under harsh conditions or for a long time has usually been left to the manufacturers because of the expensive calibration equipment required.

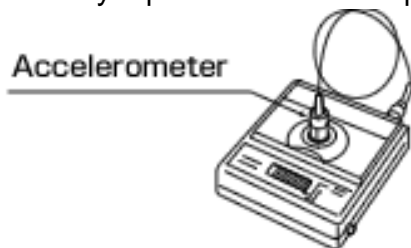
The MC-20 integrated the exciter, amplifier and display in a single unit. All you have to do is attach the sensor, for a speedy calibration of the sensor's sensitivity. You will now be able to gather reliable data with confidence, any time that you need to.



Example of calibrator in use

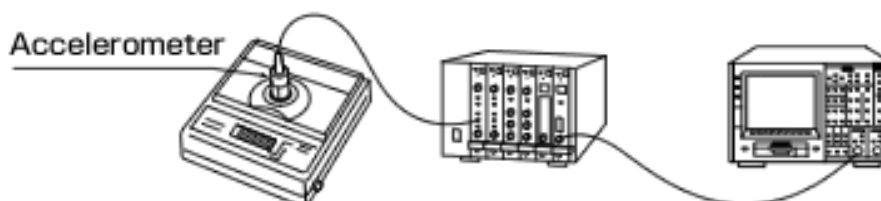
(Example.1)

Directly input the sensor output, and check the sensitivity.



(Example.2)

Use the exciter only, and calibrate the vibration measuring system.



## Specifications

● PE/IEPE calibration accuracy	
Sensitivity 0.101 ~ 19.9 pC(mV)/m/s <sup>2</sup>	±( 3%+1digit)
Sensitivity 0.026 ~ 0.100pC(mV)/m/s <sup>2</sup>	±(10%+1digit)
● Calibration modet	Single/Repeat
● Accuracy measure to DC bias voltage	±1V
● Exciter vibration acceleration	10m/s <sup>2</sup> (rms)±3%
● Exciter vibration frequency	159.2Hz±1%
● Harmonic Distortion	3%
● Calibratable sensor weight	100gm
● Alarm over weight	Indicates 「 OVER 」 and Exciter is stop
● Power supply for IEPE accelerometers	Voltage DC24V/DC15V Constant current 0.5mA/2.0mA/4.0mA
● Power requirment	AC adapter or 4 AA batteries ( alkaline) Continuous work is approx.1hour by 4 AA batteries
● 4 AA batteries alarm lamp	4.25V±0.1V
● Operating temperature range	+10 ~ +40 r
● Storage temperature range	-10 ~ +50
● Storage Humidity range	90%RH
● Internal data memory	100 data
● Auto Power off ( on/off )	approx.3 minutes
● Display backlight	ON/OFF
● Sensor mount space	φ20mm, M6 female ( depth 6.5mm )
● Dimensions	120(W)×140(D)×50(H) mm
● Weight	Approx.1kg

## Accessories Included

● Cable	LN-030 0.5m Miniature - BNC 1
● USB Cable	USB01 1
● Conversion studs	M6 - M3 female, M6 - 10-32, M6 - flat, M6 standard stud ( one each )
● Hard Case	1
● AC adapter	DCP01 1
● CD-ROM for install	MC-20 data transfer software 1
● Instruction manual	1
● Instruction manual for data transfer	1