

# HS-630 Series

Compact, Portable Vibration and Temperature Meter



## Features

- Portable
- Velocity & Bearing Condition
- Temperature Measurement
- Conforms to ISO 10816-3
- Re-chargeable Battery used with Mains or In-Car Charger
- Sensor/Cable Fault Indicator
- Display Hold Function

The NEW HS-630 portable Vibration and Temperature Meter Kit has been designed for use as both an entry level and also a comprehensive vibration/temperature monitoring instrument for maintenance engineers across all types of industry.

The kit consists of the compact vibration meter with a combined non-contact temperature measuring sensor aided by a laser locator beam, a hand held probe, a magnetic mount for more permanent installations, a protective carrying case, an instruction manual and battery chargers for both mains and in-car use.

The meter is microprocessor based and by selection of the controls can be easily set up to monitor acceleration (g) levels, velocity (mm/sec), displacement ( $\mu\text{m}$ ), bearing condition (BG or BV), and temperature ( $^{\circ}\text{C}$  or  $^{\circ}\text{F}$ ). A display hold function is also included.

The unit, which conforms to ISO 10816-3 also has an automatic alarm check for bearing condition.

Operating from an internal re-chargeable Lithium battery, the meter offers 48 hours continuous operation. From flat, the unit can be recharged in 3 hours using either the mains or in-car charger supplied with the kit.

Because of its compact size, ease of use and battery operation, the HS-630 allows engineers to monitor vibration and temperature levels on important machinery anywhere around the factory.



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PRODUCT DATA

# HS-630 Series Vibration/Temperature Meter

## Specification

### Technical Performance

Input	100 mV/g constant current accelerometer
Accelerometer	Hand held, supplied with 0.8 M cable
Ranges	Acceleration ... 0-20 g Peak Velocity ... 0-200 mm/s RMS Displacement ... 0-2000 µm pk-pk Bearing Condition (BG) ... 0-20 g RMS Bearing Condition (BV) ... 0-200 mm/s RMS
Accuracy	± 5%
Frequency Range	Acceleration ... 5 Hz to 12 kHz Velocity ... 10 Hz to 1 kHz Displacement ... 5 Hz to 1 kHz Bearing Condition (BG & V) ... 1 kHz to 12 kHz Automatic Alarm Check for Bearing Condition
Temperature Range	-20°C to 120°C or -5°F to +250°F
Laser Guide	Red, <1 mW, IEC 60825-1 compliant
Distance Range	For temperature measurement 0 to 2 metres Distance/Spot Dia. Ratio 8:1
Accuracy	±5%
Display	LCD
Hold Mode	Displays alarm status against ISO 10816-3

### Electrical

Power	Lithium rechargeable battery - 3.6 Volts, 1700 mA hours 48 hours continuous operation - Auto switch-off after 3 minutes
Battery Charge	3 hrs from flat, supplied with meter, charger & car charger

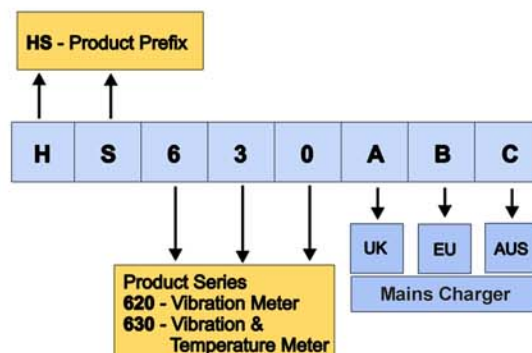
### Environmental

Temperature Range Meter	Operating ... -10 to 50°C - Storage ... -20 to 60°C
Temperature Range (Accel)	-20 to 90°C
Hand Held Meter Sealing	IP54

### Mechanical

Case Material	Plastic
Dimensions	Meter ... 115 x 70 x 25 mm
Weight	Meter ... 160 gms, Accelerometer (incl cable) ... 200 gms
Magnetic Base	22 kg pull strength
Spike	70 mm

## How to order



Kit includes Vibration/Temperature Meter, Hand-held Probe, Cable, Magnetic Mount, Mains Charger, In-car Charger, Instruction Manual.

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