

Key Features

- Velocity & bearing condition
- Used to monitor vibrations and temperature without installing equipment
- Rechargeable battery used with mains or in-car charger
- Sensor/cable fault indicator
- Display hold function
- Choice of metric or imperial measurement



Product Description

The 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 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 (μm), 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 2954 and 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.

Whilst every effort has been made to ensure the accuracy of this specification, we cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

For pricing or any further information, please contact Omni Instruments Ltd.

Technical Performance

Input	100 mV/g constant current accelerometer other inputs on request
Accelerometer	Hand held, supplied with 0.8 M cable
Vibration	Acceleration ... 0-50 g Peak Velocity ... 0-350 mm/s RMS Displacement ... 0-4000 µm pk-pk Bearing Condition (BG) ... 0-18 g RMS Bearing Condition (BV) ... 0-25 mm/s RMS
Accuracy	± 5%
Bearing	Acceleration ... 5 Hz to 12 kHz Velocity ... 10 Hz to 1 kHz Displacement ... 10 Hz to 1 kHz Bearing Condition (BG & V) ... 1 kHz to 12 kHz Automatic Alarm Check for Bearing Condition
Temperature Range	-40°C to +150°C or -40°F to +300°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	±2%
Display	LCD
Hold Mode	Displays alarm status against ISO 2954 & ISO 10816-3

Environmental

Temperature Range (meter)	Operating ... -10 to 50°C Storage ... -20 to 60°C
Temperature Range (accel)	-20 to 90°C
Sealing	IP64 - Dust tight and splash-resistant
EMC	EN61326-1:2013

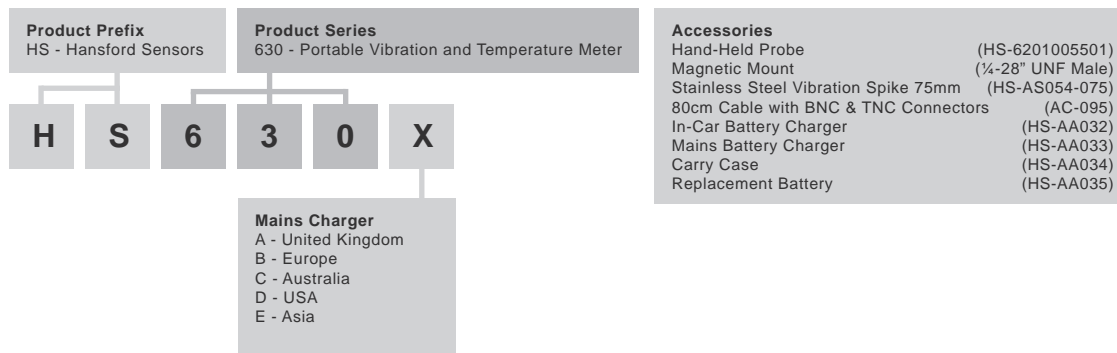
Electrical

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

Mechanical

Case Material	Plastic
Dimensions	115 x 70 x 25 mm
Weight	Meter - 160 gms Accelerometer (incl cable) - 200 gms
Magnetic Base	12 kg pull strength
Spike	70 mm

How To Order



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