

PORTABLE TRANSDUCER READOUT FOR STRAIN BRIDGE SENSORS PSDS

Ref : 4035

Rev :



DESCRIPTION

The PSDS-HSBK allows simple display measurements for load, force, pressure, torque and other strain bridge sensors, with a sensibility up to 480 mV/V.

Up to six calibration ranges are available allowing for different loading modes (tension and compression) or different sensors. Each calibration range (such as the selected measurement units, or load values) will remember settings that contribute to the user experience.

Up to six display modes are available. These determine what is visible on the LCD display and what actions are available from the set of three soft keys.

Full configuration is available with a free PC based toolkit. Some simple configuration such as two-point calibration is available from within the handheld using the menu system.

This device can also be used as camera or, with additional accessories, can be mounted on a specific equipment or hung on a wall.

Le PSD is powered with 2 AA alkaline batteries (not rechargeable).

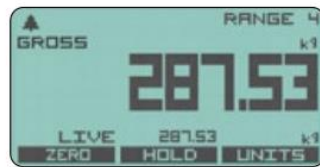
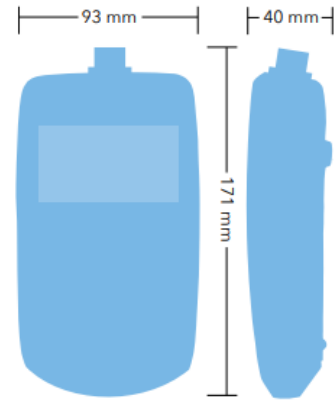
TECHNICAL CHARACTERISTICS

Parameters	Values
Sensor input	Strain sensor (Wheatstone bridge)
Drive capability	85 to 10000 Ohm
Cabling	6- or 4-wire
Sensitivity range	+/-7.5mV/V to +/-480mV/V +/-0.5mV/V with reduced resolution
Measurement units	Many units available with automatic scaling
Configuration/calibration	6 available modes
Functions	Min/Max - Hold - Delta – Cumulative Zeroing - Alarm - Go/NoGo
Display resolution	128x64 pixels
Power supply	2 x AA batteries or USB powered
Battery life	220h at 1 Hz (low quality) or 60h at 1200 Hz (high quality)
Software	Real timing visualization of graphs and parameters
Protection standard	IP 64
External dimensions	170 x 94 x 42 mm
Weight	365 g (including batteries)

DESIGN FEATURES



- 1 : Keypad and operation menu
- 2 : Soft plastic easy-grip and shock protection case
- 3 : Smart soft keys
- 4 : Adhesive branding label
- 5 : Backlight display
- 6 : LCD display 128x64 pixels
- 7 : Integrated 1/4" threaded receptacle for mounting options
- 8 : USB connectivity
- 9 : 2 x AA alkaline batteries
- 10 : Battery insertion
- 11 : Self-sealing connector



ACCESSORIES AND CONNECTORS



- PSDS



-CON PSDS



-SACO PSDS



-MAGN PSDS
Magnetic holding pad



-MUR PSDS
Vertical fixing (walls, dashboards...)



-USB PSDS
USB connector

CONTACT

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