

SmartMux Interface (SMI)



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Overview



Sensor channels can be easily viewed and selected via the SmartMux Interface which replaces time-consuming rotary switches and readout.

Housed in a handy portable case, it reads directly digital sensors and when connected to the SmartMux modular multiplexer, it can read any sensor with VW, V, mV/V, 4-20mA, Pt100, NTC and RS-485 outputs.

With an easy-view LCD menu, sensor readings can be viewed sequentially simply by scrolling through the menu. Data is also stored.

APPLICATIONS

Reading digital and analogue sensors including:

Inclinometers

Tilt Sensors

Piezometers

Extensometers

Joint Meters

Crack Meters

Settlement Monitors

Load Cells

Pressure Cells

Strain Gauges

FEATURES

Reads all types of sensors

Rugged design

Large LED display

Stores readings

Easy-view scrolling menu



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Specifications

GENERAL

Internal Power Supply	12Vdc 2400mAh Ni-Mh battery pack
External Power Supply	Battery Charger for 12V Ni-Mh
Operating Power Consumption	100mA
Power Output	12Vdc 650mA
Direct Inputs	1 x RS-485
Via SmartMux	VW, V, mV/V, 4-20mA, Pt100, NTC and RS-485 up to 256 sensors
User Interface	14 Button Keypad, 128 x 64 backlit LCD Display
Internal clock	3V lithium battery TIMEKEEPER
Memory Type	SD card
Sampling Intervals	1 minute - 10 Days
Data Acquisition Method	Locally via SD Card
Data storage	> 2,000,000 in maximum configuration
Read/Write data frequency	1MHz
Operating Temperature Range	-20°C to 70°C
Dimension L x W x H (mm)	330 x 300 x 145
Weight	3315g
Enclosure	IP40



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