

## 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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