

acim Inflatable Packers 'Ground Breaking Technologies'

PMX2000 PRESSUREMETER Notes

The PMX2000 Pressuremeter is a portable readout device to record test parameters from borehole test systems typically using surface pressure transducer and flowmeter instrumentation. The readout has a sealed case for ease of transport to field sites and displays real time data on its large clear LCD display from up to four pressure transducers and four flowmeters. Data is stored on a USB Memory device either by an operator or at selected elapsed time intervals. A system setup file including channel calibrations is created on a USB memory device using a simple PC based application. These parameters automatically transfer to the PMX2000 when the memory device is first plugged in.

Features:

- Robust plastic case suitable for field use
- Fuse protection against external sensor cable damage
- Large LCD display for easy visibility and protected by a replaceable clear shield
- Multiline LCD readout to show up to 4 flowmeter channels, 4 pressure channels, elapsed time from start of test and battery condition
- Flow recorded in l/min
- Pressure recorded in PSI, MPa or kPa units
- A menu system controlled by 2 mechanical switches suitable for field replacement
- Measurement system includes an auto-zero option for the displayed values
- Raw data recorded to an external memory device via a standard USB connection
- An internal re-chargeable battery with provision to power the system from an external 12v DC source

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OEM Data Logger Notes

ACIM manufactures a family of OEM data loggers for clients that are custom designed to record data from their range of sensors for geotechnical applications. The loggers are housed in a polycarbonate case designed for clients to incorporate in their own external case. Connections to the logger are easily made via screw terminal connectors and a series of pre-drilled cable access ports provides flexibility for cabling. The loggers use an external, user-supplied power source including the option of a lead-acid battery with solar charging or AC power module. With a stand-by current of only 65uA, these loggers are ideal for use in applications where re-charging is impractical and access for battery replacement is difficult.

OEM VIBRATING WIRE DATA LOGGER

The Vibrating Wire Data Logger can measure up to twenty-four independent devices using vibrating wire technology. The flexibility of this logger makes it ideal for stand-alone monitoring in geotechnical, mining and rural applications such as:-

- VW Piezometers
- VW Strain Gauges
- VW Stress Cells
- VW Pressure Cells
- VW Temperature Gauges

Features:

- User Flexibility for Installation
- Stand-alone Operation
- Multiple Power Options
- High-speed RS232 Communication
- Up to 24 Input Channels
- Inbuilt lightning protection on all inputs
- Up to 5450 Scan Memory Capacity
- Menu-driven User Options
- Simplified Sensor Connection
- GSM or PSTN Modem Access Option

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OEM EXTENSOMETER WIRE DATA LOGGER

Designed specifically for three or six channel extensometer heads and single channel crack meters, the Extensometer Data Logger can record data from up to twenty-four independent single-end voltage input channels. The logger can also be configured for direct voltage input making it ideal for stand-alone monitoring in both laboratory and field applications such as:-

- Displacement Sensors
- Water Level Indicators
- Flow Monitoring
- Wind Speed Sensors
- Slope Stability Monitoring
- Temperature Gauges
- Rainfall Monitoring

Features:

- User Flexibility for Installation
- Stand-alone Operation
- Multiple Power Options
- 4V Sensor Power Outputs
- High-speed RS232 Communication
- Up to 24 Single-end Input Channels
- Inbuilt lightning protection on all inputs
- Optional Lead-wire Compensation
- Over 5450 Scan Memory Capacity
- Menu-driven User Options
- Simplified Sensor Connection
- GSM or PSTN Modem Access Option