Advanced Cable Pressure Monitoring System

Introduction

The 800VACPMS is an Advanced Cable Pressure Monitoring System, which is used in a central office to automatically monitor, measure and report the status of any type of transducers; pressure and flow addressable transducers, the dedicated, subscriber and flow transducers, all the mini solid state dedicated pressure and flow transducers, and the binary contacts associated with the pressurized cable network.

The Monitronix addressable pressure modules can be compatible with other market transducers, like Lancier and Nicotra, with have the "Euro" protocol (time slot). Pressure transducers such as Lancier PtxA210 and Nicotra TP204M, etc. Furthermore, it can measure cable loop resistance, resistance and the capacitance between wire pairs and between the wires and ground.

Features

- 16 Bit processor, 20 MHz
- Supports over 4,000 measurement points. Interfaces with Ethernet, PSTN and Serial communications.
- Serial communications.
- Supports ASCII and Email reports, and text alarms.
- Supports Web browser.
- Available modules for Addressable, Universal, Dedicated, and Industrial transducers; expandable to max. of 16 modules.
- Compatible with addressable, dedicated, subscriber, and solid-state dedicated transducer and any 4-20mA transducer.
- Compatible with Lancier and Nicotra pressure transducer such as PtxA210 and TP204M, etc. Optional 800V jumper board with diode bridges for subscriber transducers.
- Hot-Plug modules.
- Remote software download
- Extensive self-diagnostics and help menus.
- Supports remote monitoring units.

Contact:

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Description

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Technical Characteristics

Memory Sizing	
Master Module	
• Program Memory	• 512KB
• Data Memory	• 2MB
Measurement Module	
• Program Memory	• 512K for single module
• Data Memory	• 512K for single module
Electrical Noise Immunity	
Technical Characteristics	• Complies with NEBS Level 1
Environmental Conditions	
Temperature	
• Continuous Operation	• 0° to +50° C
• Transportation and Storage	• -40° to +70° C
Relative Humidity	• 0 to 95% non-condensing
Power	
Input Voltage (-50 VDC nominal)	• -36 VDC to -72 VDC
Power Consumption	• 40 Watts Maximum
Physical Properties	
Size	• 4U X 23" W X 10" D
Terminal Port	• RJ45, RS232 / RS422 / RS485 Serial Port
Ethernet Port	• RJ45
PSTN Ports	• 2 X RJ11
Power	• Screw Terminals
Monitoring Pair Connectors	• 50 pin AMP connector for each module
Measurement Modules	
• Resolution	• 0.5% of full-scale range
• Addressable Module Port	• 24 inputs
• Universal Module Port	• 25 inputs
• Dedicated Module Port	• 25 inputs
• Industrial 4-20mA Module Port	• 25 inputs
• Maximum Expandable Modules	• 16 modules

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