

ADVANCED CABLE PRESSURE MONITORING SYSTEM

MT800VM Mater Module - Data Sheet



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 addressable pressure and flow transducers, dedicated pressure and flow transducer, subscriber pressure and flow transducer, mini solid state dedicated pressure and flow transducer, and binary contacts associated with pressurized cable network. It is compatible with Lancier and Nicotra "Euro" protocol (time slot) pressure transducers such as Lancier PtxA210 and Nicotra TP204M etc. It can also measure cable loop resistance, and capacitance between wire pairs, and between wires and ground. All these functions are carried out by the Mater Module MT800VM together with all the measurement modules. It is a control module. The MT800VM receives all data from the measurement all the modules, processes and stores the data. It analyzes the data and then sends alarms and status reports to all users.

Features

- 16 Bit processor, 20 MHz
- Supports over 4,000 measurement points.
- Supports Ethernet, PSTN and Serial communications.
- Supports ASCII report, E-mail report and text alarms.
- Supports Web browser.
- Receives data from up to 16 measurement modules with bus communication.
- Able to process addressable, dedicated, subscriber, solid-state dedicated transducer and any 4-20mA transducer.
- Able to process cable loop resistance, resistance and capacitance between wire pairs and ground.
- Hot-plug module.
- Remote software update.
- Extensive diagnostic facilities and indications
- Support for remote monitoring units.
- LED indicators.
- High reliability.

Contact:

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General Characteristics

Description

The Monitronix MT800VM is a Master Control module designed to be installed in the cable pressure monitoring system 800VACPMS to administrate and control the cable pressurized network. It can communicate with any measurement module through the data bus to get the measurement data. This data comes from addressable, dedicated, subscriber, mini solid-state dedicated, pressure and flow transducers, any 4-20mA industrial standard transducer and binary contact inputs. When the MT800VM gets transducer readings, it can analyze, process the data and then send it to the remote terminals on-demand. If there are any alarms that occur in this system, the MT800VM module can send out the ASCII report, E-mail report or/and text report to inform the users responsible for the maintenance and repair. The MT800VM is designed with Ethernet, PSTN and serial communication ports to make the 800VACPMS network planning very flexible and very easy and suitable for the present and future network applications in a central office of telecommunications.

Technical Characteristics

Memory Sizing	
<ul style="list-style-type: none"> • Program Memory • Data Memory 	<ul style="list-style-type: none"> • 512K • 2MB
Electrical Noise Immunity	
Technical Characteristics	<ul style="list-style-type: none"> • complies with NEBS Level 1
Environmental Conditions	
Temperature <ul style="list-style-type: none"> • Continuous Operation • Transportation and storage Relative Humidity	<ul style="list-style-type: none"> • 0° to +50° C • -40° to +70° C • 0 to 95% non-condensing
Power	
Input Voltage Power Consumption	<ul style="list-style-type: none"> • 5VDC • 5 Watts Maximum
Physical Properties	
Size Bus Connection	<ul style="list-style-type: none"> • 226 x 153mm • Golden finger for PCI-120Pin
Compatible Measurement Modules	
	<ul style="list-style-type: none"> • Addressable Module Port • Universal Module Port • Dedicated Module Port • Industrial 4-20mA Module Port

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