

ADVANCED CABLE PRESSURE MONITORING SYSTEM

MT800VATX Addressable 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, flow and moisture 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. As an expand module, the MT800VATX is specially designed to plug into the expand slot in the 800VACPMS system rack to read the addressable transducers compatible with Chatlos protocol including all pressure, flow, moisture, etc. of the pressurized cable system.

Features

- 16 Bit processor, 20 MHz
- Twenty-four addressable transducer input ports, up to 128 addressable transducers for one input port, max. 3072 transducers can be connected.
- Compatible with Chatlos' addressable pressure, flow and moisture transducers.
- Bus communication with Master module.
- Scanning time of 5 seconds per transducer, two transducers to be scanned synchronously.
- Hot-plug module
- Remote software download.
- DIP switch for address setting.
- LED indicators.
- High reliability.

Contact:

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General Characteristics

Description

The 800VATX is an addressable transducer module that reads the Chatlos' or Chatlos-compatible addressable pressure, flow or moisture transducers in a pressurized cable network. As an expand module, the MT800VATX must be plugged into an expand slot to work in the 800VACPMS system rack. During running, the addressable module MT800VATX scans all the connected transducers and gets the pressure, flow or moisture reading. At the same time, the MT800VATX is communicating with the master module and sends all measurement data to the master module which can analyze, and process the data to send it to the remote terminals on-demand. Besides, when needed, the master module can actively poll the addressable module MT800VATX to get what it needs. Advanced and smart design makes it reliable, accurate and above all, easy to install and operate.

Technical Characteristics

Memory Sizing	
<ul style="list-style-type: none"> • Program Memory • Data Memory 	<ul style="list-style-type: none"> • 512KB • 512kB
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 (-50 VDC nominal) Power Consumption	<ul style="list-style-type: none"> • -36 to -72VDC powered by system rack • 10 Watts Maximum
Physical Properties	
Size Bus Connection	<ul style="list-style-type: none"> • 226 x 153mm • Golden finger for PCI-120Pin
Measurement Modules	
Resolution Addressable Module Port	<ul style="list-style-type: none"> • 0.5 % of full-scale range • 24 inputs

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