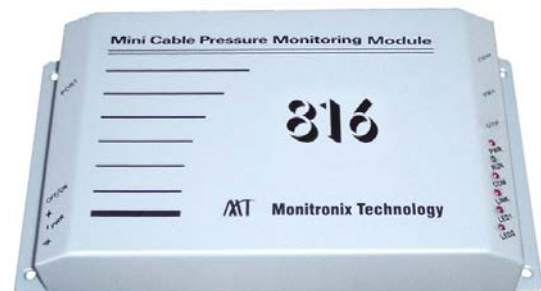


### Mini Cable Pressure Monitoring System

#### Introduction

The 816 is an advanced “Smart” Cable Pressure Monitoring System capable of completely autonomous operation when needed. It is designed to monitor addressable pressure flow and other transducers associated with the Pressurised Cable network.



#### Features

- 16 Bit processor, 20 MHz
- Supports over 1,500 measurement points
- Supports Ethernet, PSTN and Serial communications
- Supports ASCII, E-mail and pager reports and alarms
- Supports Web browser
- 16 Ports, individually configurable to read Lancier, Nicotra, Sparton or Monitronix addressable transducers
- Remote software updating
- Extensive diagnostic facilities and indications
- Configurable for Master (CMU) or Slave (SMU) modes
- Remote network/dial-up PC communications software included.

#### Description

The Monitronix 816 is a mini cable pressure monitoring system designed to automatically monitor, measure and report the status of addressable pressure and flow transducers. It includes dual communication interfaces (Ethernet and Internal modem). An RS232/422/485 serial module option is available to replace the modem. The system is highly reliable, accurate and easy to install and operate. The 816 can operate independently or as part of a larger system which may contain both addressable as well as non-addressable transducer monitoring modules.

#### Technical Characteristics

Memory Sizing	
Program Memory	512K
Data RAM	1MB

Electrical Noise Immunity	
Technical Characteristics	Complies with BT GS7

Environmental Conditions	
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)	-30 to -72 VDC
Power Consumption	10 watts maximum

Physical and Interface Properties	
Dimensions	240 x 135 x 35 mm
Ethernet port	RJ45, 10Base-T, TCP/IP
PSTN port	RJ11, 56K modem
Serial port	DB9 RS232, Baud rate 1200 ~ 19200bps to be set
Power	4 pin socket
Monitoring pair connector	Standard 50pin AMP
Power switch	Miniature toggle switch

Measurement Index	
Resolution	0.5% of full scale range
Addressable Transducer Input	16 input ports, 128 transducers for one input

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