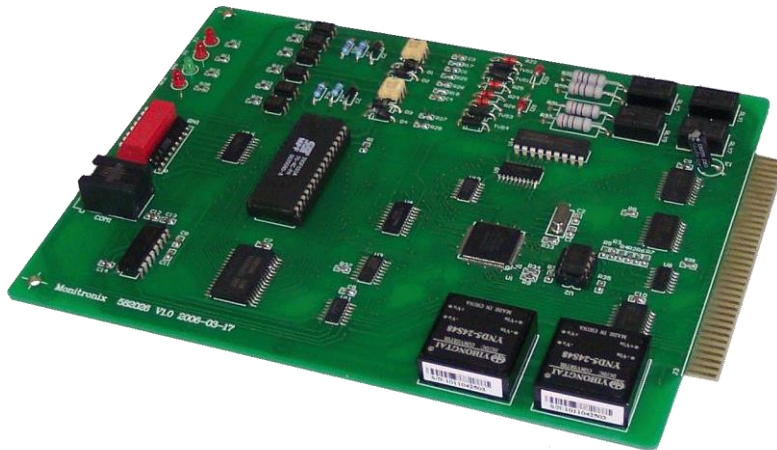# Mini Addressable Controller
Cable Pressure Monitoring & Control System

Introduction

The MT582026 board is an advanced addressable sensor measurement module as a replacement for the Sparton 532026 Mini Addressable Controller board in 5300 cable pressure monitoring and control system. Besides it can replace Sparton 532010A universal controller board. It is fully compatible with all addressable sensors and devices manufactured by Monitronix and Sparton to measure air pressure, flow and all the other parameters.

Features

- Direct plug-in replacement for existing Sparton 532026 or 532010A Board.

- 16 bits microprocessor, 20MHz

- Compatible with all addressable transducers from Monitronix and Sparton.

- Automatically address and read the addressable transducers.

- Measure up to 3072 points.

- Average scanning time of 5 seconds per transducer, it scans two inputs synchronously.

- DIP switch for address setting

- Serial communication port for local debug

- Supports firmware upgrade.

- LED indicators

- High reliability

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General Characteristics

The MT582026 board is an advanced addressable sensor measurement module which can replace Sparton 532026 Mini-Addressable Controller board in 5300 cable pressure monitoring and control system. Besides it can replace Sparton 532010A universal controller board. It is fully compatible with all addressable sensors and devices manufactured by Monitronix and Sparton to measure air pressure, flow and other parameters. The MT582026 board sends the transducer address to the addressable transducer and then this transducer responds with a signal which is from 20 to 40Hz. This frequency signal is decoded by the MT582026 board to get a real reading such as pressure and flow.

Technical Characteristics

Memory Sizing	
Program Memory	• 256K
RAM	• 512MB
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	• 5VDC powered inside 5300 rack
	• +/-12VDC powered inside 5300 rack
Power Consumption	• 2 Watts Maximum for 5VDC
	• 2 Watts Maximum for +/-12VDC
Physical Properties	
Size	• 202 x 146mm PCB
RS232 Serial Port	• RJ11
Measurement	
Addressable input	• 4 input ports (Extended up to 24 with mini addressable multiplexer board), 128 transducers per input
Measurement Points	• 3072 points max.
Resolution	• 0.5% full range
Average scan time	• 5 seconds per sensor, two inputs to be scanned synchronously

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