

# Online Monitor Module – 125v 10 Channel



**Model Number: 51200 with No Communications**  
**Model Number: 51240 with ModBus/TCP Comms**  
**Model Number: 51250 with ModBus+ Comms (SHOWN)**

The OLM is capable of monitoring and recording, as a function of time, a maximum of 8 different user definable events. Each event can capture data from any 10 of the input channels with a maximum duration of 13 seconds. Data from the last 32 events is stored in battery backed-up RAM and can be retrieved through the “Tophat” communication interface. This allows the OLM to operate without constant connection to a host PLC or PC. An internal real-time clock maintains an event timestamp with a resolution of 1 milliseconds

### Module Configuration

User definable setup data is retained in permanent EEROM memory. Data Scaling, Event Types including Event Capture Data, Trigger logic and Trigger levels are all user definable. The on-board real-time clock can be synchronized through communication with the master controller (PLC or computer). Event data may be read from the OLM at any time and event buffers are maintained until explicitly released for re-use by the user.

Operating Specifications		
	Minimum	Maximum
Temperature	-20 °C	+60 °C
Power Supply	+65VDC	+160VDC
	---	1 Amp
Battery Backup Single Lithium Retention Life	1440 Hours (60 days)	---
Data Sampling	200 Hz	5 kHz

Communication
Modbus PLUS
Modbus/TCP

Indicators
Power OK LED
Triggered LED
Mode Status LED
Battery Status LED

**Programming Data Storage**  
**A to D Converters, 10 Channels**

Flash EEROM  
 14 Bit Resolution

### Inputs Type: A, Differential Reference

Number of points 5  
 Voltage, DC +-160  
 Voltage, AC rms. 113  
 Trigger Level Programmable  
 Connections 2 Wire, External

### Inputs Type: B, Differential Reference

Number of points 5  
 Voltage, DC +-2.5  
 Voltage, AC rms. 1.75  
 Trigger Level Programmable  
 Connections 2 Wire, External

Data Storage	
Definable Event Types	8
Event Capture Buffers	32
Channels Per Capture	10
Trigger Levels	
Constants	16
Relative	16

Software
PC based Engineering Tool
Lens © Browser based Application
Lens © Analytical Engine