

HMI / Display and Data Logger

Panel Mount or Wall Mount



More Info

Key Features

- View real time and historical data of multiple sensors in one easy to read unit
- 7" ultra-wide viewing angle LCD touch screen, high resolution data display
- Two isolated Modbus RTU (RS485) interfaces, supports up to 255 sensor inputs
- Option for 4 x Analogue channels [0 ... 20 mA / 4 ... 20 mA / 0 ... 1 VDC / 0 ... 10 VDC]
- Option to connect sensors wirelessly via Wi-SUN Gateway
- IP65 protection
- Display real time graphics and values of multiple data points
- 25 GB of storage, log up to 2,000,000,000 (2 billion) values
- Outputs:
 - Modbus RTU (RS485),
 - Modbus TCP (Ethernet)
 - USB Type-C
- Power supply: 24 to 30 VDC
- 2 x alarm relay output channels



Panel Mount

About

This HMI / display integrates multi-sensor data collection, logging, and graphical functions. View data from all your CAA or third-party sensors on one display. Export data to USB or output to your SCADA system via Modbus RTU (RS485) or Modbus TCP.

The optional Wi-SUN gateway allows you to wireless connect to Wi-SUN compatible sensors. Add the optional Analogue module to connect to 4 older style 4-20mA or 0-10VDC sensors.

Applications

- Manufacturing and industrial use
- Permanent measurement
- Suitable for:
 - CAA sensors
 - Third party sensors

Specifications

Display	
Display	7" IPS touch LCD
Resolution	1280 × 800
Data Logging	
Storage	25 G, 2,000,000,000 values
Data Export	USB Type-C
	Modbus RTU (RS485)
	Modbus TCP (Ethernet)
Input Signals	
Digital	2 isolated RS485 inputs, supports up to 255 Modbus RTU register inputs (data points)
Analog	4 x channels (Optional) [0...20 mA / 4...20 mA / 0...1 VDC / 0...10 VDC]
Wireless Signal	Wireless sensor gateway (Wi-SUN) (Optional)
Outputs	
Digital Signal	Modbus RTU (RS485)
	Modbus TCP (Ethernet)
	USB Type-C
Alarm Signal	2 x relay alarm channel, rated to 24 VDC, 3A

Power	
Power	24 to 30 VDC
Working Environment	
Operating Temperature	0 to +50°C
	+32 to +122 °F
Storage Temperature	-20 to +70°C
	-4 to 158°F
Relative Humidity	0 to 95% RH
Other	
Connection	Wiring Terminal
Protection	IP65
Housing Material	PC + ABS
Dimensions:	
• Wall Mount	250.37 x 160.02 x 297.99 mm
• Panel Mount	200.02 x 160.02 x 118.97 mm
Installation	Panel or Wall-mounted
Cable Diameter	4 to 8 mm
Warranty	12 months

Data Logging

The HMI / Display will record a maximum of 2,000,000,000 (2 billion) values. How long you can record for will depend on how many values you record the frequency of recording data.

Example 1: Recording flow, dew point, temperature, wet pressure, dry pressure, kilowatt hours (kWh) for 3 compressors (ie 3 x kWh) and total power at 1 second increments will record 10 values every second.

Therefore:

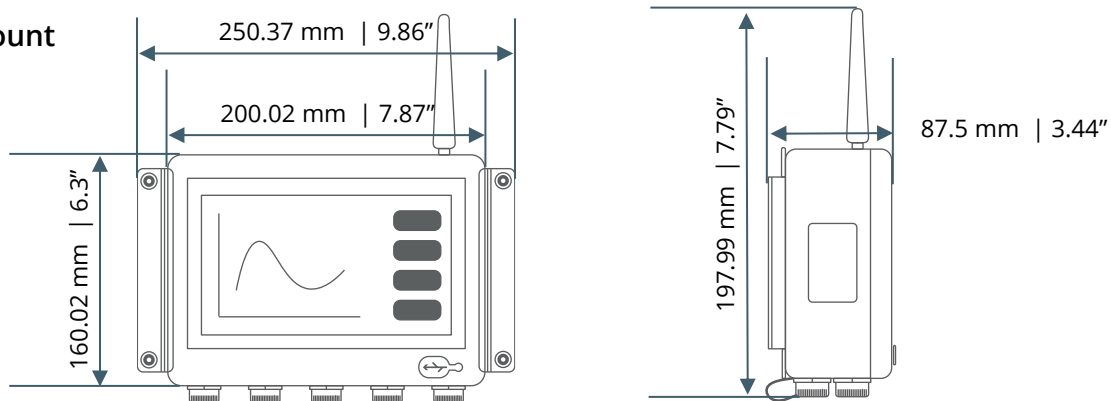
- 10 values x 60 seconds per minutes x 60 minutes per hour x 24 hours per day x 365 days per year = 315,360,000 values per year.
- So 2,000,000,000 / 315,360,000 values per year = 6 years of data recording.

Example 2: If you record 30 values every 1 second, you will be able to record data for 2 years.

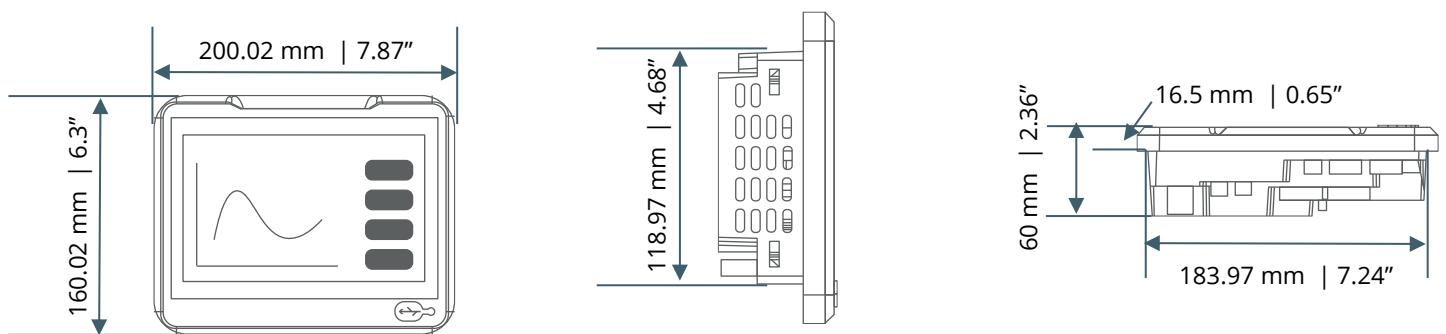
- 30 values x 60 seconds per minutes x 60 minutes per hour x 24 hours per day x 365 days per year = 946,080,000 values per year
- So 2,000,000,000 / 946,080,000 values per year = 2 years of data recording

Dimensions

Wall Mount

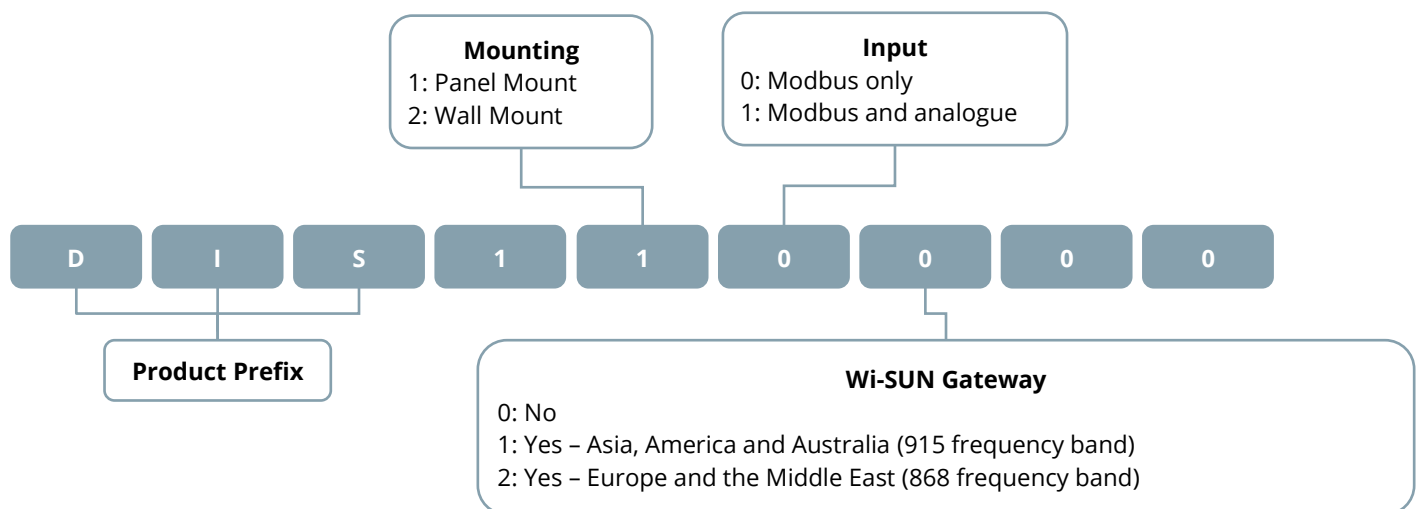


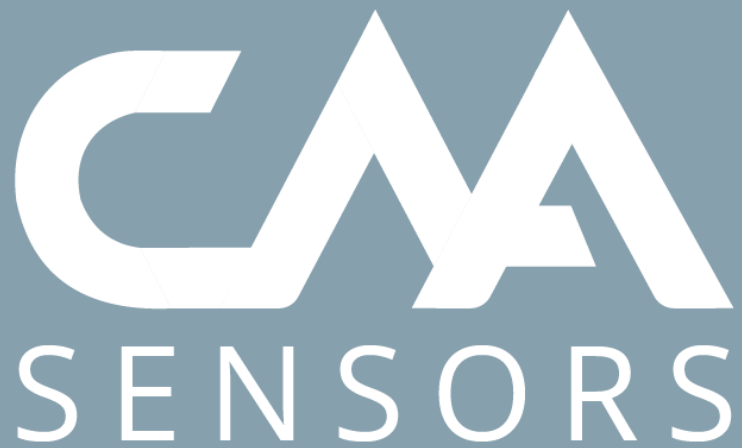
Panel Mount



How to Order

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