

TECHNICAL BULLETIN:

MONITOR 1440



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Monitor 1440 intelligently gathers and stores real-time, remote field data (e.g compressor data, end-device & engine data) enabling standard Modbus RTU protocols. In addition it also provides the ability to bring back pressure sensors, tank levels and other operating parameters to help provide the operational intelligence for your remote site..

*Disclaimer AMCi warranties Monitor1440 hardware for a full three years (36 months) * * Warranty is subject to AMCi published Terms and conditions. Contact your AMCi representative to obtain a copy or visit www.amci-wireless.com*



KEY FEATURES

- Engine Operation Data**
- Modbus RTU**
- RS-485**
- 4 Analog Inputs**
- Operator Interface**
- DIN-Rail or Panel-Mount**
- CID2**
- 36 Month Warranty**



PRODUCT BENEFITS

- 24/7 Technical Support**



ANALOG INPUTS, MEDIUM RESOLUTION

- 4 input channels
- 4 - 20 mA input ranges
- Safe input voltage range between -0.5 V to +12 V
- Input impedance (clamped @ -0.5 VDC to 12 VDC)
- Current mode: 100 Ω
- 10 bit nominal resolution
- 35 mA maximum over-current
- Maximum error at 25°C (excluding zero) - 4-20 mA at 1.00%
- 160 HZ hash noise filter 1-128 scan digital running average filter

GENERAL SPECIFICATIONS

- Required power in a steady state: 130 mA @ 24 VDC
- Required power inrush: 30 A for 1 ms @ 24 VDC
- Primary power range: 10 - 30 VDC
- Relative humidity: 5 to 95% non-condensing
- Operating temperature: 0°C to +50°C
- Communication Protocol
- Modbus RTU 9600, 8, n, 1

CERTIFICATIONS/COMPLIANCE

- CE
- 2017072-E180220
- 7/20/17
- UL:
- ATEX Directive
- 2014/34/EU
- EMC Electromagnetic Compatibility
- 2014/30/EU

PHYSICAL

- 3.8 x 3.8 in. (96 x 96 mm)
- 12 oz (340 g)

WARRANTY

- 3 year standard limited warranty



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