



Linortek iTrixx-WFMN-C Machine Hour Meter with Current Sensor

Part Number: 01-910-00126



Description:

Industrial equipment, such as generators, water pumps or semiconductor polishing machines, have one factor in common: they all operate on power. To find a source from an equipment to trigger the hour meter sometimes become difficult. That's why we create this custom iTrixx hour meter wireless monitoring kit. This kit includes an [iTrixx-WFMN-ADi](#) WiFi

hour meter and a current sensor that helps you monitor your machinery's on/off status simply by clamping the sensor around the three-phase power wires of the AC. You can place it inside or outside your machine's control cabinet without needing to modify your machine's wiring.

These current sensors measure the amount of current flowing through a circuit at any given time. You can set up the iTrixx-WFMN-ADi software to activate the meter counter once the current exceeds your pre-set range, providing a straightforward setup process for any equipment monitoring.

With the flexible reporting function on the iTrixx-WFMN hour meter, reports can be scheduled to send to your inbox daily, weekly or monthly – or other time interval for various events.

Monitor Energy Consumption: With the hour reading data from the iTrixx-WFMN-ADi, you can calculate the energy consumption of the equipment to understand energy usage patterns, identify potential inefficiencies, and make informed decisions to optimize energy consumption and reduce costs.

Detect Overloads: By continuously monitoring the current flow, the iTrixx-WFMN-ADi can detect if your equipment is drawing more current than it should, sending you a notification when data falls outside your preset range. This is a sign that your equipment may be operating outside its standard parameters, risking failure or electrical issues.

Enhance Safety: the device's ability to detect hazardous overcurrents that could potentially lead to equipment damage or fire. By setting alarms to indicate performance outside pre-set parameters, the iTrixx-WFMN-ADi can trigger an email notification or an audible/visual alarm (signaling devices required) when current levels are dangerously high.

Improve Maintenance Schedules: the iTrixx-WFMN-ADi takes your maintenance strategy a step further. With the hour meter software, this monitoring kit provides comprehensive runtime logging capabilities for you to track and accurately record your equipment's operating hours for preventative maintenance.

Specification:

Web Server: Built In (all software located on built in server)

- Relay Outputs: 2 Signal Relay (2 Form C, 1A @ 30VDC, 0.3A @ 125VAC)
- Digital Inputs: 2 digital inputs (5-12VDC, 24-48VDC W/external resistor)
- Analog Input: 2 analog input (0-5V)

- Record Time (hrs): 0 – 999,999.99
- Voltage Sensor: On Board
- Temperature Sensor: Ambient on board
- Power Input: 12VDC -48VDC (12VDC power supply included)
- Enclosure: IP66/67 Polycarbonate box, flame-resistant
- Dimensions: 75mm x 125mm x 35mm
- Working Temperature: From 0 to +65 Celsius
- Storage Temperature: From -40 to +125 Celsius
- Humidity: From 10% to 80% Non-condensing

WLAN Interface

- WiFi Transmission Protocol: IEEE802.11b/g/n 2.4GHz
- Radio Output Power:
- 802.11b /11Mbps: 17dBm \pm 1dB
- 802.11g /54Mbps: 16dBm \pm 1dB @ EVM -28dB
- 802.11n /72Mbps: 14dBm \pm 1dB @ EVM -30dB
- Frequency Range (MHZ)2412.0 –2462.0
- Security Protocols WPA/WPA2 Personal
- Network Services DHCP, DNS, TCP/IP (IPv4), UDP, HTTP
- Certifications: FCC, CE Certified; RoHS compliant

Current Sensor

- Input Current: 0-15A
- Output Type: 0-1V
- Opening size: 13mm*13mm
- Core material: Ferrite
- Mechanical strength: the number of switching is not less than 1000 times(test at 25°C)

- Safety index : dielectric strength (between sheel and output)6000V AC/1min
- Fire resistance property: in accordance with UL94-Vo
- Work temperature: -25°C – 70°C