

Linortek iTrixx-Ultra 300-C Network Equipment Hour Meter w/ Current Sensor

Automate Equipment Usage Tracking

The self-contained, network-enabled iTrixx-Ultra 300-C equipment hour meter logs runtime for industrial equipment, allowing you to monitor usage remotely. It's a cost-effective solution for monitoring:

- ◇ Equipment Usage
- ◇ Machine Uptime/Downtime
- ◇ Machine Idle Time
- ◇ Operation Counter
- ◇ Current/Voltage
- ◇ Temperature & Humidity
- ◇ And More...



Key Features

- ◇ Track equipment on/off time in real time from free mobile/desktop app
- ◇ Log hour reading data to CSV files automatically
- ◇ Receive email reports on a daily, weekly, monthly basis or any specific thresholds
- ◇ Integrate data to other software via MQTT, UDP, RESTful API, XML
- ◇ Encrypted communication and data security measures
- ◇ Compact DIN rail mountable enclosure

Overview

iTrixx is an IoT Meter which was developed on Linortek's secure TCP/IP product platform with built-in web server and MQTT protocol, easy to setup, flexible data collection. It can be used to track industrial equipment runtime data for preventative maintenance with no monthly subscription fees.

The iTrixx-Ultra 300-C comes with an iTrixx-Ultra 300 controller and a current sensor for hour counter activation. With this kit, you can monitor the on/off status of your machine by clamping the sensor around the AC wire of the three-phase power wires. It can be mounted either inside or outside of your machine's control cabinet, there is no need for any modification of your machine's wiring. The dual hour meters and the current sensor allowing you to differentiate between powered-on uptime vs active runtime. Data logs track totals up to 999,999 hours so you know precisely when maintenance is due.

Linortek iTrixx IoTMeter Technical Specifications

Model		iTrixx-Ultra 300	iTrixx-NHM	iTrixx-WFMN-ADi	iTrixx-WFMN-Di
Part#		01-910-00111	01-910-00024	01-910-00060	01-910-00064
Web Server	Built-in software	√	√	√	√
	Access current data and status from any web browser	√	√	×	×
	Access current data and status from Telnet	×	×	√	√
	Desktop app	√	√	√	√
	Download data in CSV format (from the desktop app)	√	√	√	√
Network Connectivity	Ethernet Port: 10/100Base-TX PoE	√	√	×	×
	WiFi: IEEE 802.11b/g/n 2.4GHz	×	×	√	√
Configuration	Web browser	√	√	×	×
	Telnet (30316 port)	×	×	√	√
Relay Output	Dry contact: 1 FORM A 48VAC@8A Max	×	√	×	×
	Dry contact, signal Relay, 2 Form C, 1A @ 30VDC	√	×	√	√
Digital Input	Isolated mode (ISO): 5-24VDC@30mA max	√	√	√	√
	PULL UP mode (PU): used with a switch to activate a signal	√	√	√	√
Analog Input	Isolated 2-wire input: voltage: 5V or current 4-20mA	√	×	√	×
Data Storage	Internal storage capacity: 16MBIT	√	√	√	√
Alarms	Condition: high, low, within range and outside range	√	√	√	√
	Delay: optional time period for alarm response	√	√	√	√
Data Report Schedules	User settable interval	√	√	√	√
Data Integration	RESTful API	√	√	×	×
	MQTT	√	×	√	√
	XML	√	√	√	√
	JSON	√	√	√	√
Security Protocols	TLS, SSL	√	×	√	√
Network Services	DHCP, DNS, TCP/IP (IPv4), UDP, HTTPs	√	√ *	√	√
Firmware Updates	Bootloader app through TCP/IP	√	√	√	√
Record Time (hrs)	0 – 999,999.99	√	√	√	√
Power Input	12-48VDC	√	√	√	√
	POE	√	√	×	×
Power Consumption	70mA	√	√	√	√
Accessories Included	12VDC Power Supply	√	√	√	√
	RJ45 Cable (1M)	√	√	×	×
	DIN Rail Mount Clip	√	√	×	×
Physical & Environment	DINRail Mountable Enclosure	70mm x 100mm x 25mm		×	×
	IP66/67 Polycarbonate Box			75mm x 125mm x 35 mm	
	Weights (OZ)	11	11	12	11
	Working Temperature	From 0 to +65 Celsius			
	Storage Temperature	From -40 to +125 Celsius			
	Humidity	From 10% to 90% Non-condensing			

* HTTPs is not supported, only HTTP.