

Linortek iTrixx-Ultra 300 Network Equipment Hour Meter

Automate Equipment Usage Tracking

The self-contained, network-enabled iTrixx-Ultra 300 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
- ◇ Vibration/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 alerts when maintenance is due
- ◇ Integrate data to your own system via MQTT, REST API, JSON
- ◇ Encrypted communication and data security measures
- ◇ Compact DIN rail mountable enclosure

Overview

iTrixx is an IoT Meter developed on TCP/IP product platform, with built-in web-based software for runtime tracking. It supports the MQTT protocol, hardware-based encryption, HTTPS connections, encrypted email servers, and a CAN interface. This makes it an ideal solution for tracking industrial equipment data with no monthly subscription fees.

iTrixx-Ultra 300 is a housed unit in a DIN rail-mountable enclosure, equipped with 2 relay outputs, 2 digital inputs, 2 analog inputs, and 1 temperature & humidity sensor input. The hour counter can be activated by relay output, digital input, or voltage input.

The iTrixx-Ultra 300 provides the insights needed to properly service equipment before issues arise. Its dual hour meters allow you to track equipment uptime/downtime, operation counters, and more in one compact unit. Data can be logged with timestamps, providing precise information about the performance of your machine.

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	√	√	x	x
	Access current data and status from Telnet	x	x	√	√
	Desktop app	√	√	√	√
	Download data in CSV format (from the desktop app)	√	√	√	√
Network Connectivity	Ethernet Port: 10/100Base-TX PoE	√	√	x	x
	WiFi: IEEE 802.11b/g/n 2.4GHz	x	x	√	√
Configuration	Web browser	√	√	x	x
	Telnet (30316 port)	x	x	√	√
Relay Output	Dry contact: 1 FORM A 48VAC@8A Max	x	√	x	x
	Dry contact, signal Relay, 2 Form C, 1A @ 30VDC	√	x	√	√
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	√	x	√	x
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	√	√	x	x
	MQTT	√	x	√	√
	XML	√	√	√	√
	JSON	√	√	√	√
Security Protocols	TLS, SSL	√	x	√	√
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	√	√	x	x
Power Consumption	70mA	√	√	√	√
Accessories Included	12VDC Power Supply	√	√	√	√
	RJ45 Cable (1M)	√	√	x	x
	DIN Rail Mount Clip	√	√	x	x
Physical & Environment	DINRail Mountable Enclosure	70mm x 100mm x 25mm		x	x
	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.