ionSign

Smart Connections

ionSign GMU391

The GMU391 is a powerful and versatile data acquisition device for remote monitoring and industrial internet (IoT) applications. It is very easy to install and use.

The GMU391 collects several types of measurement data, both through its own inputs and an integrated Modbus fieldbus interface. Data is collected and transferred spontaneously, without the need of a server or user induced query.

An RS485 connection with Modbus protocol and a TCP/IP-LAN interface are available for transmitting the data to a server or an automation system. The unit may serve as a fieldbus master unit for other fieldbus data acquisition devices, utilizing the data transfer capability of the master unit.

The logging interval is defined by the user (1 min and up). The GMU391 secures time series continuity in case of transfer network failures by systematically buffering the collected data.

Technical specifications

- Integrated web server, LAN connection
- 8 open collector inputs for pulse counting or relay inputs for digital switches
- 10 current (4 – 20 mA) or voltage (1 – 5V) signal inputs
- PT1000 temperature sensor input
- 2 RS485 interfaces (Modbus master & slave)
- Data buffering for 2 000 measurements (=all inputs and 250 Modbus registers)
- 3 weeks buffering at 15 min logging interval

- Operating voltage 12…24 VDC
- Current consumption 100 mA
- Operating temperature -25°C … +50°C
- Storage temperature -30°C … +85°C
- Operating humidity 5%...95%, non-condensing
- 9 module wide DIN rail enclosure
- (WxHxD 156x90x52mm)
- IP20

User interface

- Easy to control with integrated web server

- Standard HTTP reporting protocol allows an easy server application development

Extra features

- Available with enclosure for higher IP class
- Available with GSM interface instead of LAN
- Available without data transfer capability for cascading purposes