TAÏGA

REMOTE
ATEX RTU

Taïga is a stand-alone and ATEX RTU (Remote Terminal Unit) which allows to:

- Secure the supply chain
- Improve your response times
- Improve incident analysis

Efficient and easy to use, TAIGA is an essential solution that can easily be integrated into your sites. Deployed at the heart of your infrastructures, it monitors and collects pressure, temperature and state changes information. In the event of an incident (overpressure, door opening, etc.) the Taiga sends an alarm to your supervision centre and the on-call technicians.

TAIGA guarantees the operator optimal responsiveness for any type of event.

TAÏGA

STAND-ALONE • FLEXIBLE • TELEMETRY
AUTOMATED METER READING (AMR)
REMOTE MANAGEMENT • DATA-LOGGER

MODULARITY

Ability to:
- Double the product's capabilities Reuse sensors current loop for pressure, temperature, flow, etc.
- Connect to a volume converter to collect data (instantaneous states, recording of volumes time-stamped at the source, etc.)
- Operate output contacts

ACQUISITION

- Measurements according to a sequence configured by the user (1 to 60 sec.)
- Processing of measurements of two pairs of thresholds with hysteresis
- Scanning of wired information (filters, valve positions, pressure switch, safety valves, door contacts, etc.) to transmit alarms

TRANSMISSION

- Immediate alarm following the appearance of a change of state of a contact or a measurement threshold crossing to different types of recipients (SCADA, SMS, FTP, etc.)
- Periodically sends all logs according to configurable calendar (push mode)
- Periodically sends self-diagnostics (battery level, internal temperature, …)

STORAGE

- State changes (last 300 time-stamped)
- Measurements at fixed time intervals or by variation delta (time stamped)
- 17,200 values for the AI Log: ex: 30 days in steps of 5 minutes for 2 AI
- 100 days for hourly statements and 120 days for daily statements
- Hourly volumes over 40 days, daily volumes over 100 days and monthly volumes over 14 months
- 400 latest events (alarms included)

EVENTS

Slave mode:
- Link with third party equipment
- Configurable speed

Master mode:
- Only in chromatograph connection or with ENVOL

CHARACTERISTICS

Approvals
- LCIE 10 ATEX 3098 X
- CE 0081 ⟨Ex⟩ II 1 G
- Ex ia IIA or IIB T4 Ga

Entrances
- 3 digital inputs
- 3 analog inputs
- 1 LF pulse inputs

Pressure
- Cable length 5 or 15 meters
- 1/4'' BSP Gas connector
- Ranges:
  - 20 to 50 mbar relative
  - 3 to 28 bar rel. or absolute
  - 18 to 90 bar rel. or absolute

Communication
- 1 USB port for laptop PC connection
- 1 RS232 / 485 port
- Optional:
  - 3G modem with internal antenna and free access to the SIM card slot
  - External antenna

Power supply
- Autonomous on internal battery or battery pack *
- External power supply: 230VAC or Solar

Display
- LCD screen for data consultation

Mechanical
- IP65 enclosure
- H175 x W185 x P70 mm

Environment
- Operation: -25 ˚C to + 70 ˚C
- Storage: -40 ˚C to + 85 ˚C
- Humidity: 10% to 93% non-condensing

Service life depending on use