

TAIGA

Autonomous ATEX RTU

REMOTE OPERATION

AUTONOMOUS

3G



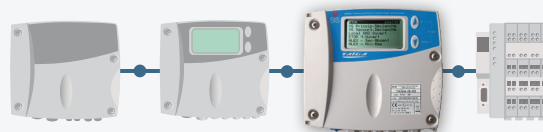
FLEXIBLE

PRESSURE RECORDER



TAIGA

FEATURES



You are a transporter, distributor or a storage centre and want to monitor your installations in real time in order to:

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

Taiga is the remote-control station that meets your needs.

Autonomous, powerful and easy to use, TAIGA is an essential solution which can be easily integrated at your site. Deployed at the heart of your infrastructure, it monitors and collects pressure, temperature and change of state information. All faults at your installation can be transmitted to your supervisory centre.

TAIGA is an effective and reliable solution that guarantees the operator can respond appropriately to any type of event.

Modularity

Ability to:

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

Acquisition

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

Transmission

- Immediate, following the appearance of a change of state of a contact or a measurement threshold crossing to various types of recipients. (SCADA, SMS, FTP...)
- Periodically sends all histories according to a 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 variance delta (time-stamped)
- 17200 for the AI history (e.g. 30 days in steps of 5 mins for 2 AIs)
- 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
- Last 400 events (alarms included)

Events

Slave mode


- Link with third-party equipment
- Configurable speed

Master mode

- Only when connected to a chromatograph such as ENVOL

TAIGA / CHARACTERISTICS

Approvals

LCIE 10 ATEX 3098 X, CE081  II 1 G
Ex ia IIA or IIB T4 Ga

Inputs

- 6 analog binary inputs
- 3 temperature inputs
- 1 LF counter inputs

Pressure

- Cable lengths of 5 or 15 meters
- 1/4" BSP Gas connector
- Ranges:
 - 20 to 50 mbar relative
 - 3 to 28 bar rel. or abs.
 - 18 to 90 bar rel. or abs

Communication

- 1 USB port for laptop PC connection
- 1 RS232/485 port
- Optional:

- 3G modem with internal and free antenna access to the SIM card slot
- External antenna

Power supply

- Autonomous with internal battery or battery pack*¹
- External power supply, 230V AC or Solar

Display

- LCD screen for viewing data

Mechanical

- IP65 box:
- H175 x W185 x D70 mm

Environment

- Operation: -25° C to +70° C
- Storage: -40° C to +85° C
- Humidity: 10 to 93% without condensation

*¹ Life span depending on use

