

## BROCHURE G3P

Version control					
Date	Review	Description	Editing	Control	Release
13/10/2015	1.0	Writing	Andrea Giorgetti	Matteo Di Renzo (PAT)	Giorgio Giorgetti
29/02/2016	1.1	Updating	Andrea Giorgetti	Matteo Di Renzo (PAT)	Giorgio Giorgetti
07/03/2017	1.2	Updating ATEX Info	Andrea Giorgetti	Matteo Di Renzo (PAT)	Giorgio Giorgetti

# goliah3p

Pressure cabin remote control

**GOLIAH3P** is the data-logger family designed for measuring, monitoring and the remote control of pressures and volumes/flows in pipelines, in pressure reduction stations and in customer's meter cabins.

The **GOLIAH3P** device is **ATEX** certified with UE number **TÜV IT 15 ATEX 039** and protection mode **II 2G Ex ib IIB T3 Gb Tamb: - 20 °C ÷ + 60 °C** to be installed directly inside the regulation cabins.

The **GOLIAH3P** works as a data-logger, acquiring the data and transmitting them automatically to the server (1 or 2 transmission a day). In this modality, the device constantly records the data in an events historical chart with a variable depth (minutes, hours, days). In case of alarms, the device can force the connection to the server for immediately signalling the alarm event and communicate the current functional state.

The communication protocol is **MODBUS** (GNC, SIEMENS, RTU, ASCII, ENRON). It is, however, possible to make an integration with other existing protocols.

The **GOLIAH3P** is equipped with an **ATEX** certified modem for GPRS communications. It is also equipped with a **RS485 ATEX** certified communication port with which it is possible to interface for Ethernet, radio, satellite and optical fiber communications.

## FEATURES



The basic features, common to all versions, are:

- ✓ A/D Converter, type Delta-Sigma 24 Bit;
- ✓ Working memory: 1 block of 8 MB;
- ✓ MiWi Wireless communication port for local connections with a notebook;
- ✓ ATEX certified RS485 communication port;
- ✓ User interface console, equipped with a 128 x 64 pixel graphical LCD display, activated on demand, with a 6 buttons keyboard;
- ✓ Double battery pack, designed in order to maximize the device autonomy;
- ✓ Standard ModBus communication protocol (ASCII, RTU, ENRON, TCP/IP) to ease the interfacing with pre-existing control centres based on SCADA;
- ✓ IP67

From such basic features, the various models are differing by the following aspects:

### Installation zone:

- ATEX certification for installation in hazardous area
- UE type n° TÜV IT 15 ATEX 039
- II 2G Ex ib IIB T3 Gb Tamb: - 20 °C ÷ + 60 °C
- Standard, for a use in safe zone;

### Sensors typology:

- With integrated Wheatstone bridge pressure sensors,
- With PT100 temperature sensors.

### Power source:

- From batteries.

Possible combinations:

- 2 integrated pressure sensors
- 1 PT100 temperature sensor
- 4 digitals inputs
- 2 digitals outputs, dry contact

All versions can be equipped with:

- Wall-mounting Flanges

