



- Low-consumption technology ●
- Smart data communication ●
- Atex Zone 1 certified ●
- Dual SIM management ●
- Wide range of I/O interface ●
- Multi-protocol communication ●

**G2P**

## Remote control of pressure cabinets



## Remote control of pressure cabinets, wherever you are

G2P is designed for the measurement, monitoring and remote control of the pressures, temperatures and volumes/flows on gas pipelines, gas reduction stations and City Gate (Offtake) stations. It can be installed in potentially explosive atmosphere, either indoor or outdoor, and runs GPRS/UMTS/LTE modem for remote communication.

G2P normally operates as a real time unit: modem is always on and reachable at its fixed IP address for polling from **WebPressure Software** or from any SCADA system through standard communication protocols.

G2P can also operate as a datalogger and thus collect data and communicate them on a daily basis to SCADA: data are constantly recorded in a historical queue with variable depth (mins., hours, days) and, when alarm thresholds are exceeded, the device forces the connection with SCADA to promptly report the event.



## An integrated solution for greater efficiency

### COMPACT DESIGN

All the elements that contribute to the functionality of the device (measurement section, modem, memory, battery) are integrated in a single compact housing that makes it suitable for any application context.

### MAINTENANCE & DIAGNOSTICS

To optimise maintenance work in the field, the device also transmits diagnostic parameters (communication, battery state, faults, etc.). The firmware update can be carried out both locally and remotely.

### WEBPRESSURE

**AUTOMA SCADA** platform for the management of the data collected from pressure cabinets monitoring devices: alarms management, synoptics, analysis, real time monitor, time trends, graphical representation, cartography, regulatory compliance, reporting, device configuration, users' management, advanced export capabilities, integration with third-party applications (SCADA, SAP, CARTOGRAPHY, etc.).

### FIDO UNIVERSAL

The activities carried out by the operator in the field, both in terms of first device configuration and of installation/maintenance of the devices, are managed in the field with the **Fido client software for Windows OS** via local wireless communication in MiWi.

## A tailor-made solution for the protection of your network

### WIDE INPUT RANGE

Up to 6 pressure analog inputs for pressure transducer and 2 temperature analog inputs for PT100 sensor; 8 digital inputs for dry contact or counter. Possibility to add expansion board for adding up to 8 analog inputs for 4-20mA transmitters, 2 dry contact digital inputs and 2 dry contact digital outputs.

### ATEX ZONE 1 CERTIFIED

G2P is ATEX Zone 1 certified to be installed in areas with explosion risk.

### MULTI-POWER SUPPLY OPTIONS

G2P accepts external power supply from main power or photovoltaic when working as a RTU. It is also possible to use an AUTOMA external battery pack ATEX certified where there is no external power and RTU mode is required. As a datalogger, it can be powered by its internal battery pack.

### DATALOGGER OR RTU MODE

G2P device is principally intended to work as a RTU with constant polling from WebPressure or SCADA. However, it can also operate as simple datalogger, with daily communication with SCADA and real time communication in the presence of alarms.

### CONFIGURABLE MEASURE TRANSMISSION

When communicating with a SCADA system, polling is possible every minute/hour/day. Historical queues for measurements and events can be configured.

### MULTI-PROTOCOL COMMUNICATION

G2P implements the principal communication protocol as MODBUS RTU, MODBUS ASCII, MODBUS TCP/IP, MODBUS ENRON, IEC 104, and more.



### COMMUNICATION PORTS

- Local: MiWi
- Remote: 2G/3G/4G with WebPressure or other SCADA platforms

### I/O INTERFACES

- 8 analog inputs for AUTOMA pressure transducers
- 2 analog inputs for temperature transducer (PT100/PT1000 3 wires)
- 8 digital inputs for DRY CONTACT or counter
- Expansion board (optional):
  - 8 analog inputs for 4-20mA transmitters
  - 2 dry contact digital inputs
  - 2 dry contact digital outputs

### POWER SUPPLY

- Internal: rechargeable battery pack
- External: BAT-LONG battery pack supplied by AUTOMA, DC 12-36V, solar panel, universal power supply 85-265V

### MECHANICAL DATA

- Dimensions: L 30 x H 8 x P 18.8 cm
- IP67
- Weight with internal battery pack: 1.3 kg
- Operating temperature: - 20 °C ÷ + 60 °C
- Relative humidity: from 10 to 95%

### COMPLIANCE WITH STANDARDS

- EN 60079-0:2012, EN 60079-0:2012/A11:2013, EN 60079-11:2012
- II 2G Ex ib IIB T3 Gb Tamb: - 20 °C ÷ + 60 °C



G2P

## Remote control of pressure cabinets



Contact us



**AUTOMA s.r.l.**

Via Casine di Paterno, 122/a - 60131  
Ancona (An) - Italy  
Tel.: +39.071.8028042  
Fax: +39.071.802374

**www.byautoma.com**  
e-mail: info@byautoma.com