

## DATA ACQUISITION UNIT WITH GPRS TRANSMISSION SYSTEM

### Description

The distinctive feature of these systems is the ability to collect data from sensors and being able to independently forward them to a server through an integrated GPRS modem and a data connection. The server receives and stores the data, to process them and to make them available in a designated protected place which the user can log into with user ID and password. The user can access the system with a standard internet browser and requires no installation for the customer.

The following functions are available directly on the WEB portal:

- Reading the required variables
- Graphic representation of measurements
- Data transmission in various formats
- Alarm management

### Application

- Landslides monitoring
- Geotechnical and structural monitoring
- Tunnels, dams, bridges and viaducts
- Alarm management at a certain limit



### Technical Features

- No software needed
- It fits the most common geotechnical instruments on market
- It can be powered by a solar panel
- Alarm transmission through SMS and mail

## Techincal Specifications

<b>Analogue input number</b>	4 input main board (4 - 8 - 16 channels expandible)
<b>Analogue input type</b>	0-20mA, 4-20 mA, 0-10 Volt, Pt100, vibrating wire
<b>Resolution</b>	12 or 16 bit
<b>Digital input</b>	2 pulse counter
<b>Accuracy</b>	< 0,1% F.S. or < 0,02% F.S.
<b>Power</b>	12-24 Vdc with 7Ah battery
<b>Output</b>	2 relè for the activation of external devices (semaphore, alarm, etc.)
<b>Interface</b>	RS485 to connect the expantions
<b>Environmental conditions</b>	temperature: -20...+70 °C - relative humidity: 5...95%
<b>Modem</b>	GPRS quadriband integrated with internal antenna
<b>Case</b>	IP65 case

## Accessories and spare parts

- 4 or 8 channels expansion
- 220 Vca power supply
- Solar panel
- Steel pole
- External and / or amplified antenna

## Please specify

CODE	PRODUCT DESCRIPTION
URS-100	Datalogger with GPRS modem (main board 4 ch)
URS-204	Expansion 4 ch
URS-308	Expansion 8 ch
URS-316	Expansion 16 VW
PFV-050	Photovoltaic module 50 W
PFV-100	Photovoltaic module 100 W
BAT-112	Spare battery 12 V - 12 Ah



## For further information:

### Gestecno s.a.s.

Loc. Lanciano, 22 - 62022 Castelraimondo (MC) - Italy  
 Tel/fax: (+39) 0737.642174 - P. IVA 01137480438  
 e-mail: info@gestecno.it - WEB: www.gestecno.it