

# GRD

Device for Acquisition and Remote Control,  
with GSM/GPRS Cellular communication



NEW SERIES



The GRD family of products, allow distant control and supervision of any type of machine, process or system, improving the implementation of Remote Telemetry System.

Using the GRD family of products you will be able to acquire information from different sensors, transducers and contacts (or including data from a serial port), and then transmit this information to a Data Base.

The remote control of devices is performed using 3 different ways:  
Using simple web page, through a Scada system, or by your own proprietary software.

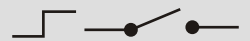
## FEATURES

- **Modbus Master.** Can handle Modbus Slaves Devices
- Digital Inputs and Outputs
- Analog Inputs (For Sensors or Transducers)
- Pulse Count Inputs
- Transparent encapsulation of serial protocols.
- TCP/IP communication over a GPRS data network
- Optimization of use of the cellular network
- Automatic reconnect in case of failure of link
- Event log with time stamp

### ANALOG Inputs

0-1V / 0-10V / 4-20mA

### DIGITAL Inputs



### DIGITAL pulse



### DIGITAL Outputs

ON / OFF

### Inputs DATALOGGING

DD/MM/AA - HH:MM:SS

### SERIAL Port

RS232 / RS485

### I/O Expansion

MODBUS MASTER



GSM / GPRS  
(Quad Band)



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## SPECIFICATIONS

- **Protocols:** GPRS, SMS, TCP/IP, Master Modbus

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- **Serial Port:** RS232 / RS485

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- **USB Port:** Only for configuration

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- **Slaves:** Can handle RS232/485 Modbus Slaves

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- **Digital Inputs:** Transistor. to 4 Inputs.

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- **Digital Outputs:** Transistor. to 2 Outputs.

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- **Analog Inputs:** 0-1Vdc (0,1mV) / 0-10Vdc (1mV) / 4-20mA (1µA) to 4 Inputs.

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- **Pulse Inputs:** Fmax= 50Hz, Min. Pulse 10ms.

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- **Events Log:** Non-volatile memory and real time clock, for event logging

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- **Administration:** Local por USB o remota por GPRS

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- **GSM Bands:** 850/1900 - 900/1800 MHZ (Quad Band)

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- **SIM:** Supports SIM's from all providers

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- **Indicators:** Status LED.  
Data/Link LED.  
Power Supply LED.

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- **Dimensions:** 70 x 90 x 65 mm (Ax Ax P).

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- **Power Supply:** +10 a +30 Volts DC.  
90mA@12Vdc; 80mA@24Vdc  
1A@12Vdc peaks, 1A@24Vdc

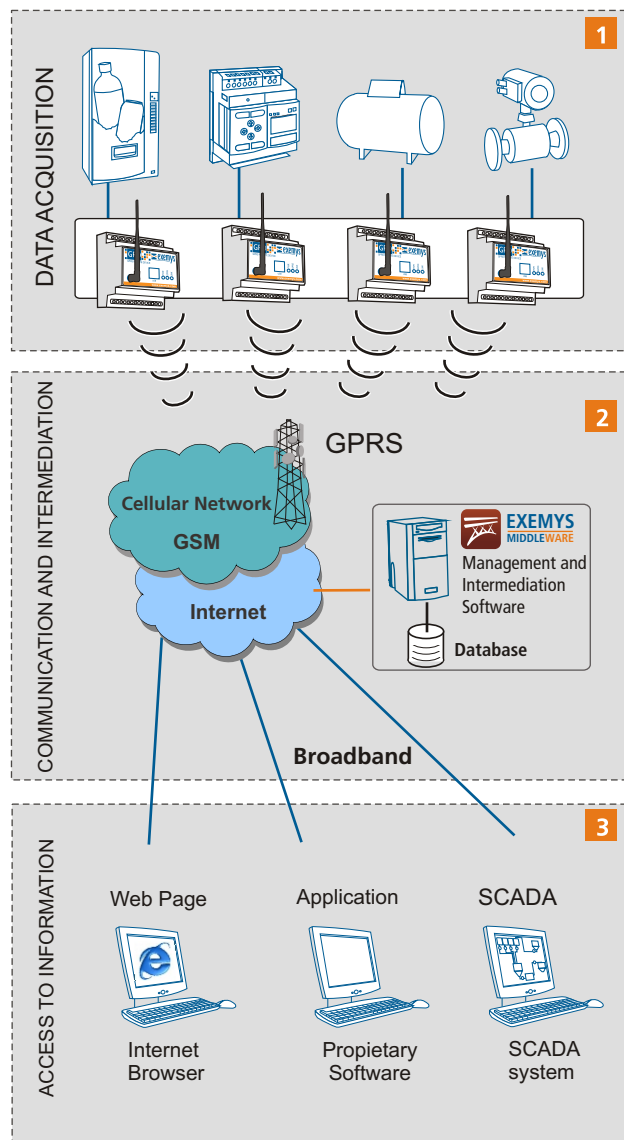
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- **Temperature:** Operation: -5 a +65 °C.

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- **Warranty:** 1 year

## EXAMPLE



## AVAILABLES MODELS

MODEL	SERIAL PORT	USB	ANALOG INPUTS	DIGITAL INPUTS	DIGITAL OUTPUTS
GRD1300	RS232/485	yes	---	---	---
GRD3305	RS232/485	yes	4	4	2

## MANAGEMENT SYSTEM ISO 9001:2008



ISO 9001  
BUREAU VERITAS  
Certification



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For sales, please contact: [sales@exemys.com](mailto:sales@exemys.com)

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