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 a 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 use of the cellular network
- Automatic reconnect in case of failure of link
- Event log with time stamp

<table>
<thead>
<tr>
<th>ANALOG Inputs</th>
<th>DIGITAL Inputs</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-1V / 0-10V / 4-20mA</td>
<td>ON / OFF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DIGITAL pulse</th>
<th>DIGITAL Outputs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RS232 / RS485</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inputs DATALOGGING</th>
<th>SERIAL Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>DD/MM/AA - HH:MM:SS</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MODBUS MASTER</th>
</tr>
</thead>
</table>

For pricing, or any further information please contact us.
Tel: +44 (0)845 9000 601 or visit our website.
www.omniinstruments.co.uk
**SPECIFICATIONS**

- **Protocols:** GPRS, SMS, TCP/IP, Modbus Master
- **Serial Port:** RS232 / RS485
- **USB Port:** Only for configuration
- **Slaves:** Can Handle RS232/485 Modbus Slaves
- **Digital Inputs:** Transistor. Up to 4 Inputs.
- **Digitals Outputs:** Transistor. Up to 2 Outputs
- **Analog Inputs:**
  - 0-1Vdc (0.1mV) / 0-10Vdc (1mV) / 4-20mA (1µA)
  - Up to 4 Inputs.
- **Pulse Inputs:** F_max= 50Hz, Min. pulse 10ms.
- **Events Log:** Non-volatile memory and real time clock, for event logging
- **Administration:** Local by USB or remote by GPRS
- **GSM Bands:** 850/1900 - 900/1800 MHz (Quad Band)
- **SIM:** Supports SIM's from all providers
- **Led Indicators:** Status LED, Data/Link LED, Power Supply LED.
- **Dimensions:** 70 x 90 x 65 mm
- **Power Supply:** +10 a +30 Volts DC
  - 90mA@12Vdc, 80mA@24Vdc
  - Peaks 1A@12Vdc, 1A@24Vdc
- **Temperature:** Operation -5 to +65 ºC.
- **Warranty:** 1 year.

**AVAILABLE MODELS**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SERIAL PORT</th>
<th>USB</th>
<th>ANALOG INPUTS</th>
<th>DIGITAL INPUTS</th>
<th>DIGITAL OUTPUTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRD1300-XF</td>
<td>RS232/485</td>
<td>Si</td>
<td>---</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>GRD3305-XF</td>
<td>RS232/485</td>
<td>Si</td>
<td>4</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>

**EXAMPLE**

**DATA ACQUISITION**

1. **GPRS**
2. **Cellular Network**
3. **Broadband**

**COMUNICATION AND INTERMEDIATION**

- **Internet**
- **SCADA**
  - Web Page
  - Application
  - Proprietary Software

**ACCESS TO INFORMATION**

- **Database**
- **MIDDLEWARE**
  - Management and Intermediation Software

**MANAGEMENT SYSTEM ISO 9001:2008**

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