

# GSM/GPRS

## REMOTE TELEMETRY UNIT

CUSTOMIZED SYSTEM  
- ARCHITECTURE DESIGN

HARDWARE - SOFTWARE INSTALLATION  
- SYSTEM MAINTENANCE



“We Provide Complete Solutions  
from Hardware to Software Services”

- Remote Monitoring of Reservoir Level
- Remote Monitoring of Water Treatment Plant
- Remote Monitoring of House Burglar Alarm
- Remote Monitoring of Power Sub-Station
- Automatic Meter Reading
- Automatic Pump Control

## TECHNICAL SPECIFICATION

Description	Self-contained battery operate pressure and flow measurement, logging and GSM/GPRS communication RTU.
Model	G-RTU-22
Modem	SIEMENS or equivalent GSM 900/1800MHZ SMS based or optional GPRS based
Mode of Operation	<p>(A) GSM always listening, you can SMS ini anytime and the unit will reply. In this mode, Estimated 1 year of battery life from 4 numbers of "D" size Primary Lithium battery</p> <p>(B) GSM is off, only wake up when there is an event of an alarm. And Will wake up once a day to transmit the logged data. In this mode, estimated battery life of 3 to 5 years of operation is possible from 4 numbers of "D" size Primary Lithium batteries. "D" size is diameter 30mm length 60mm</p>
SIM card	Normal 1.8V to 3.0V SIM card from GSM service provider. (Celcome, Maxis, Digi)
Input	<p>(A) Pressure measurement. Connect a pressure hose tapping to the RTU. RTU has Internal Stainless steel strain gauge pressure sensor. Temperature compensated, Laser trimmed resistive bridge. 10 bit A/D converter. Pressure measurement interval can be set from every minute to every 15 minutes. Pressure reading can be logged.</p> <p>(B) Flow measurement. Connect the open collector pulse output from flow meter to this RTU. This RTU will count the pulse and according to the ratio, it will convert to cubic meter. This act like a totalizer.</p>
Data Logging	The Number of pressure and flow data can be stored depends on EEPROM internal memory. It ranges from one week to few months.
Enclosure	The enclosure material is DIE CAST aluminim, epoxy coated. And water proff to 1 meter of water. special order can go to IP68, 10 meter of waterproofing
Connector	Waterproff connector to IP68 for flow meter inout and GSM antenna output.
Battery	Primary Lithium battery "D" size, Ranging from 4 to 8 numbers.
Size Approximately	10 x 6 x 1,5 inches or (250 x 150 x 35 mm)