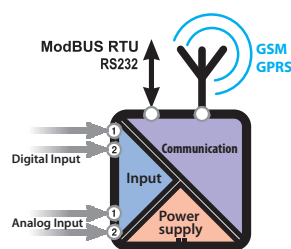




M-RTU-PC

GSM/GPRS TERMINAL UNIT FOR CATHODIC PROTECTION



M-RTU-PC is a specific monitoring solution for cathodic protections: monitoring of parameters and analysis of material corrosion (oil and gas pipelines, tanks, plants, buildings, docks, etc.). The low power consumption allows also a battery power supply (3 years life-time). M-RTU-GP is able to acquire, process, store and transmit analog or digital signals to a PC central station using GSM and GPRS standard communication.

TECHNICAL SPECIFICATIONS

General Data

Power supply	14,4 V battery power supply, 3 years life-time
External case protection	IP44
Operating temperature	-20..+70 °C (max stability: 0..35 °C)
Dimension	263 x 143 x 89 mm

Communication & IO

Communication ports	<ul style="list-style-type: none"> Nr 1 UART GSM port Nr 1 serial port V24-RS232, half-duplex, local connection, baud rate: 1.200.. 115.200 baud
Modem	GSM / GPRS
CPU	32 bit, core ARM7, 2 UARTS, low power
Memories	EEPROM: 64 kByte FLASH: 2 MByte
Fieldbus and sytem protocols	ModBUS RTU Built-in SMS protocol
I/O	<ul style="list-style-type: none"> Nr 2 isolated digital input, max freq. 10 Hz Nr 2 analog input (V, mA, A), protected against overvoltages and overcurrents, max resolution 15 bit + sign

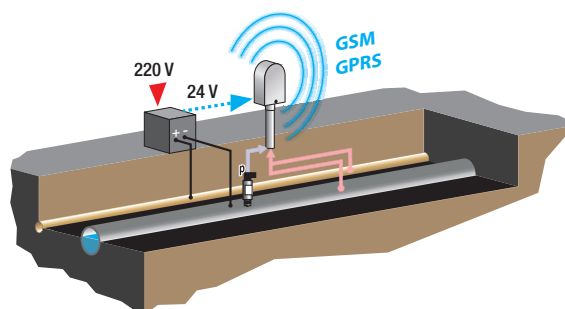
Programming

Software configurator	M-RTU Workbench
Main functions	<ul style="list-style-type: none"> Temporary turn on for SMS receiving / sending Data transmission on event or on demand I/O acquisition and datalogging Daily data sending

Standard

Approval	CE, Snam Rete Gas
Norms	EN61000-6-4/2002 EN6100-6-2/2005 EN61010-1/2001




APPLICATION NOTE



ORDER CODES

Code	Description	
M-RTU-2	Model	Micro RTU, basic version, 2 DI, 2 AI ring connectors
M-RTU-PC	Model	Micro RTU, cathodic protection version (M-RTU-1 + GSM external antenna + batteries package)
M-RTU Workbench	Software	Configuration tool, SMS data/command management, archives, alarms
BATTHP	Accessories	Lithium HP battery, 14.4V, 18,5 Ah
A-STIL		GSM stilo antenna
A-GSM		GSM external antenna dual band swing 3,2 m cable
PM002490		RS232 M/F programming serial cable
PM002500		RS232 firmware serial cable
S-DIN		Rail DIN support

SIMILAR PRODUCTS

		
M-RTU-GP GSM/GPRS battery powered terminal unit pg. 68	Z-RTU All-in-one remote terminal unit pg. 66	Z-GPRS GSM / GPRS unit with ModBUS interface pg. 70