

A U T O L O G ® C a t h o d i c P r o t e c t i o n G S M - R T U
S O P H I S T I C A T E D ® A U T O M A T I O N

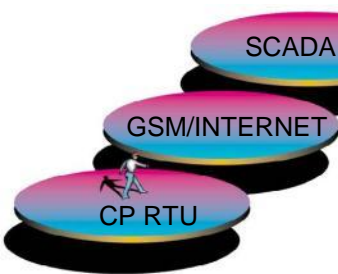
Specially designed for cathodic protection monitoring



Surge protection of PLC inputs

-30...+70°C operating temperature

Supports AutoLog® ControlMan™ Internet SCADA



RTUs since 1976

Introduction

AutoLog Cathodic Protection RTU gives compact and high specification solution for cathodic protection monitoring. AutoLog CP RTU is a fully functional, ready-to-go device with customized functionality.

AutoLog CP RTU is based on well proven AutoLog technology. FF-Automation has manufactured AutoLog automation products since 1976.



GSM-RTU Specifications

- **Enclosure:** Stainless steel IP65 (or as specified) with optional sunshade
- **Mounting:** pole or wall installation kit
- **Power input:** 110/240 VAC or 10-30VDC
- **GSM / GPRS:** Embedded 850/900/1800 MHz modem with outdoor antenna
- **Serial port connectivity:** Modbus RTU M/S, optionally Modbus TCP M/S
- **Serial ports:** RS-232, RS-485 optional, TCP/IP optional
- **Optional HMI (I²C):** LCD with LEDs and keyboard
- **Clock and calendar (RTC):** Build-in
- **Memory:** Program-Flash, Data-RAM
- **Back-up battery for RAM and RTC:** Yes
- **Support for wireless sensors:** Yes
- **Supplementary:** Fuses, switches, screw terminal block, I/O and power isolation

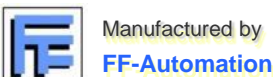
On-board I/O

Analog Inputs	2-8 inputs, selectable, 3-way isolation 1500 VDC for analog inputs 0-100V (CP rectifier voltage) 0-50V (CP rectifier voltage) 0-5V (CP reference potential) 0-4000mV (CP reference potential) 0-50mA (CP current measurement over shunt resistor) 4-20mA, 0-500mV, Pt100, etc.
Digital Inputs	4 inputs, 24VDC, max 8mA, opto-isolated, PNP
Digital Outputs	2 digital outputs, 24 VDC, max 2A, NPN
Relay Outputs	2 relay outputs, 5A /250VAC 1A/30VDC

Environmental and size

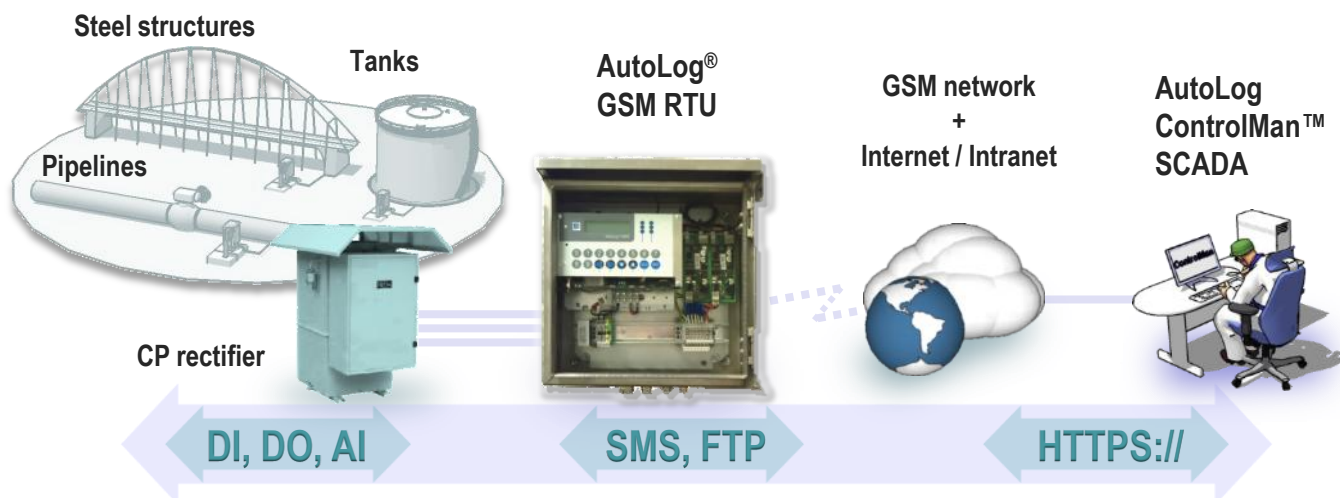
Storage temperature	-40 ... +80 °C
Oper. temperature	-30 ... +70 °C
Relative humidity	95%, non-condensing
EMC	Immunity according to EN50082-2 & EN50082-1 Emissions according to EN50081-1 & EN50081-2
Enclosure	IP65 (optionally IP68 ATEX) stainless steel
Dimensions (W x H x D)	300 x 300 x 150 mm Without sunshade
Weight	About 7 kg
Mounting	pole, wall

AutoLog® CP GSM-RTU



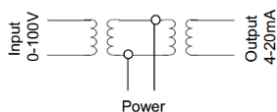
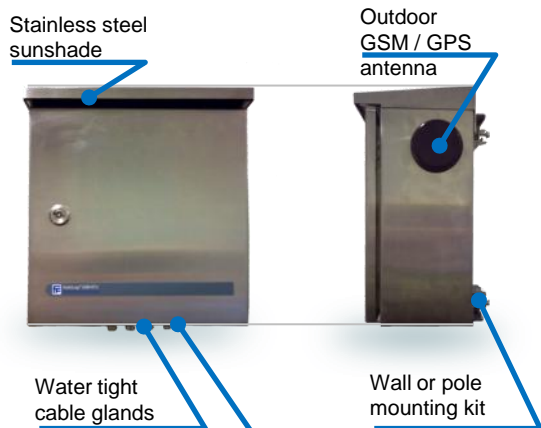
THE **AUTOLOG®** FAMILY
 AUTOLOG®**PLC** AUTOLOG®**GSM** AUTOLOG®**OEM**
 AUTOLOG®**RTU** AUTOLOG®**TETRA** AUTOLOG®**HMI**

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GSM RTU features

- Remote measurements from CP rectifiers
- DC voltage, current and other measurements from CP rectifier through I/O or Modbus.
- AC presence detection, Door alarm (Optional)
- Optional power interruption control signal with GPRS NTP server synchronization
- IP65 Stainless steel enclosure with optional sunshade
- HMI allows local monitoring of CP parameters and RTU data



3-way isolation 1500 VDC for analog inputs

- ControlMan Cloud / Intranet SCADA shows CP site's map locations, measurements, alarms, trends and reports
- Alarms can be forwarded to mobile phones and e-mails
- RTU's program maintenance can be done over GSM/GPRS
- New RTUs can be added to ControlMan easily (by copy/paste)



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