



A U T O L O G ® D A T A S H E E T



AutoLog® GSM-20AN RTU

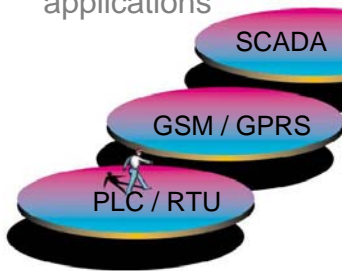
S O P H I S T I C A T E D ® A U T O M A T I O N

GSM-RTUs are remotely programmable through GSM network.



AutoLog 20AN RTUs are controlling e.g. oil and gas wells, water treatment plants etc.

Operating SCADA solutions for different RTU applications



Wireless
M2M



Introduction

AutoLog® GSM-20AN RTU gives compact and high specification solution for remote control and monitoring.

AutoLog GSM-20AN RTU has expandable I/O using up to 5 selectable I/O expansion cards. It can be equipped with HMI.

It communicates using GSM modem. It uses SMS messages and GPRS/FTP for wireless communication. It has also one serial port which can be used as Modbus master/slave.

AutoLog GSM-20AN RTU is based on well proven AutoLog technology. FF-Automation has manufactured AutoLog automation products since 1976. RTU devices are our main business area. AutoLog RTUs can be build to meet customer's specific requirements.

The world's biggest oil and gas producer companies trust their production on AutoLog RTU devices. List of AutoLog RTU references can be found from our web page.

AutoLog GSM-20 AN RTU

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



AutoLog® GSM-20AN RTU

PLC

Model	AutoLog GSM-20AN
Analog inputs (Expandable)	0-8 pcs (max. 72) 12 bit, pointwise plug-in input modules: Pt100 (-50..150°C / 0..500°C / -250..750°C), 0..5mA, 0..20mA, 4..20mA, KTY10 (-50..150°C), NTC (-5..50°C), 0..2V, 0..5V, 0..10V, -10..10V, RMS 40VAC/25VAC/ 0.25VAC etc.
Analog outputs (Expandable)	2 pcs (max. 34) 12 bit, 0..5V / 0..10V
Digital inputs (Expandable)	8 pcs (max. 72) 12/24 VDC / max. 8 mA / PNP / opto-isolated
Digital outputs (Expandable)	8 pcs (max. 72) 12/24VDC / max. 2A / group max. 4A / NPN / opto-isolated
Serial ports	2 pcs, one for GSM modem, one for Modbus master / slave
I2C port	2pcs HMI keypad & display, I/O exp.
Data Logging	e.g. Time-stamp + 8 measurements 9 days/1min, free format
Operating temperature	-30°C...+65°C
Storage temperature	-40°C...+80°C
Power supply	12 / 24 VDC or 10/18VAC max. 5VA, voltage drop alarm
UPS	Optional 12VDC, voltage drop alarm
Programming	Remote through GSM network or locally using programming cable

Communication

GSM SMS	Bidirectional
GSM GPRS	FTP files from RTU to SCADA
Antenna	Antenna is installed outside enclosure. Many antenna models. Antenna is selected according to GSM signal quality in site.

SCADA

Software	e.g. AutoLog ControlMan, Web Studio SCADA or AutoLog GSM master station. Ask connection to other SCADAs!
Operation modes	Normal or Redundant
Web support	All main control room views can be seen remotely from any PC in Intranet. Configurable user levels and firewall security.



AutoLog® GSM-20AN RTU in IP56 enclosure



AutoLog® GSM-20AN RTU Systems are operating in wide areas



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