



A U T O L O G ® D A T A S H E E T



AutoLog® 20AN RTU (Redundant)

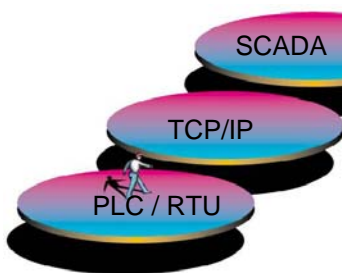
S O P H I S T I C A T E D ® A U T O M A T I O N

RTUs are remotely programmable through radio network.



Redundant AutoLog 20AN RTUs are controlling oil and gas wellheads, line break valves etc.

Complete SCADA solutions for Cathodic Protection, wellheads and valve stations.



Wireless Telemetry

Introduction

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

AutoLog 20AN RTU has expandable I/O using up to 5 selectable I/O expansion cards.

It can communicate e.g. using Radio modem or TCP/IP network. It can communicate directly with Control room SCADA or through local base stations. Base stations can be linked to SCADA using e.g. company LAN network. This gives unlimited coverage area for the system.

AutoLog 20AN RTU has redundant PLC and I/O. In case of failure, active PLC is switched automatically.

AutoLog 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® 20AN RTU

- Expandable I/O
- Redundant Operation

AutoLog 20 AN RTU Redundant

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



AutoLog® 20AN RTU (Redundant)

PLC

Model	AutoLog 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)	0-2 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, Modbus master / slave
I2C port	2pcs HMI keypad & display, I/O exp.
Data Logging	E.g. 16 time-stamped measurements x 3000 records
Operating temperature	-30°C...+70°C
Storage temperature	-40°C...+80°C
Power supply	12 / 24 VDC or 10/18VAC max. 5VA, voltage drop alarm
UPS	12VDC, voltage drop alarm
Programming	Remote through radio network or locally using programming cable

Communication

OPT1: Radio modem	AutoLog WSN Radio modem
Max. distance	With 5W transmitting power and good antenna and clear line of sight ~40 km
Frequency range	Different radio modem models: 138-175, 406-512, 869-870, 820-950MHz
OPT2: TCP/IP	Modbus TCP protocol (in the picture)
OPT3: GSM	GSM GPRS and SMS
OPT4: TETRA	TETRA SDS

SCADA

Software	Web Studio SCADA
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® 20AN RTU communicates e.g. using TCP/IP based radio network



AutoLog® 20AN RTU Systems are operating in wide areas



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