

INSTRUMENTATION *Controller*

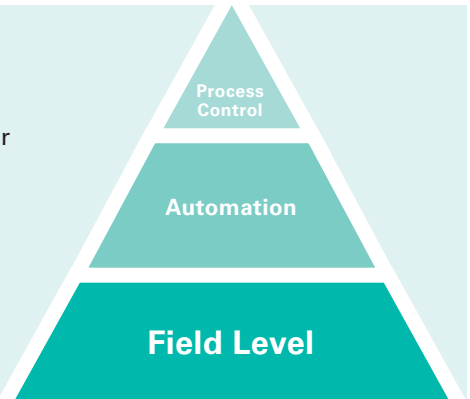
for
RISONIC modular
RIPRESS smart
RIPRESS premium



Advanced measurement and control applications
Large range of mathematical functions
Digital and analog I/O's, Modbus RTU/TCP, IEC 60870-5-104

FEATURES AND BENEFITS

- Up to four measurement sections per Controller
- Large range of mathematical functions: Add/Sub/Mul/Div/Pow/Int/Diff/Filter
- Integrated data logger with remote access
- Individually galvanically isolated inputs and outputs
- 32 bit parallel code output (gray, binary, BCD) via external relays module
- SMS alarm notification via external GSM/GPRS modem
- Built-in web server for easy configuration and diagnosis
- Low power (typically 12...15 W) and sleep mode (< 0.5 W)
- Maintenance-free and suitable for rugged environments



Main Applications

RISONIC modular

Ultrasonic Transit Time Flow Measurement

RIPRESS smart

Advanced Water Control Applications

RIPRESS premium

High Precision Level Measurement

Further Benefits and Applications

Built-in Functions

- Freely programmable conversion tables
- Limit value monitoring
- Volume counter with persistent data storage
- Trend function

Water Quality Monitoring (4 ... 20 mA Sensors)

- Temperature, pH value, Conductivity, etc.

Ultrasonic Level Transducer MPUL06 / MPUL10

RTU - Remote Terminal / Telemetry Unit

INSTRUMENTATION Controller

Operating Temperature

-20 ... +70°C [-4 ... +158°F]

Protection Class

IP20

galvanically isolated digital outputs (relays)



galvanically isolated digital input (optocoupler)



galvanically isolated analog inputs/outputs 4 ... 20 mA accuracy @ 25°C ±0.1% FS



(OPEN-TYPE PROCESS CONTROL EQUIPMENT) 3VN3

USB 1.1 Host (mass storage devices)



24 VDC -20%/+25%



Electronically switched 24 VDC output



STATUS OUT relay



COM1 RS232; GSM/GPRS Modem

COM2 RS485; Modbus RTU Slave

COM3 RS485; Modbus RTU Master

LAN1 Ethernet 10/100 BaseT HTTP, FTP, Modbus TCP Slave, IEC 60870-5-104

LAN2 Ethernet 10/100 BaseT (for communication to RIMOUSTT module)

