# 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

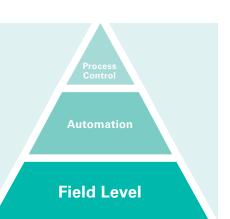


# **INSTRUMENTATION** Controller



#### 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)

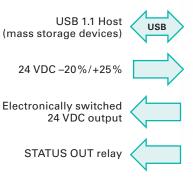


galvanically isolated analog inputs/outputs 4 ... 20 mA accuracy @ 25°C ±0.1% FS





**LISTED** (OPEN-TYPE PROCESS CONTROL EQUIPMENT) 3VN3







RS232; GSM/GPRS Modem



RS485; Modbus RTU Slave



RS485; Modbus RTU Master



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



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

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Subject to change



