RMA42

Universal process transmitter and control unit

Universal transmitter, loop power supply, barrier and limit switch in one device

The RMA42 universal process transmitter is a powerful device capable of monitoring, visualizing and calculating of measured values. It is ideally suited for applications in the food & beverage and life sciences industries as it offers a flexible, cost-effective solution for cabinet mounting to ensure safe, reliable and transparent operations.

Your benefit

Value	Benefit	Feature
Time and cost-saving	▪ Multifunctional device unit for reduced inventory ▪ Easy installation and system integration ▪ Designed for comfortable commissioning and operation	▪ Multifunctional device for a wide range of applications and regional specifications ▪ Easy on site configuration (3-key); Remote commissioning from a safe and convenient location ▪ Global availability with international certifications and approvals (ATEX, FM, CSA, NEPSI, UL recognized component)
Added safety and process transparency	▪ Reduced risk of damage related to incorrect power supply ▪ Easy readability in control cabinets ▪ Built-in control functions and features	▪ Control unit for calculation of measured analog signals; Evaluation of limit values; Triggering of alarms ▪ Linearization table with 32 points for each calculated value ▪ 5-digit, 7-segment backlit LC display for indication of measured or calculated values and trend bargraph

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RMA42 specifications

- 5-digit, 7-segment backlit LC display
- User-configurable dot matrix display range for bargraph, units and tag name
- Inputs: One or two universal inputs
- Outputs: One or two analog outputs; Two optional relay outputs; Digital status output (open collector)
- On site 3-key operation
- One or two calculated values; Built-in memory for min/max values
- Linearization table with 32 points for each calculated value
- Easy remote configuration from a safe and convenient location (e.g. with FieldCare or DeviceCare software)
- Ambient temperature range −20 to 60 °C (−4 to 140 °F)
- International certifications and approvals: ATEX, FM, CSA, NEPSI, UL recognized component
- Global availability

Exemplary application: Differential pressure monitoring

Analog input 2

Analog input 1

PLC

FieldCare

For more information please visit
www.endress.com/rma42

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