RMA42
Process transmitter with control unit

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

Benefits:
- SIL 2 approval (optional);
  Marine approval
- 1 or 2 calculated values and linearization table
- Min./max. value saved
- 5-digit 7-segment LC display, backlit
- 1 or 2 universal inputs
- 2 relays (optional)
- Digital status output (Open Collector)

Specs at a glance
- **Input** 2 x universal (current, voltage, R, RTD, TC, resistance)
- **Output** 2 x Analog (current, voltage)
- **Display** LCD 7 segment Multicolour Bargraph TAG unit Colour change in case of failure
- **Power Supply** Wide range power supply 24 to 230 V AC/DC (-20 % / +10 %) 50/60 Hz

Field of application: Analog measured values are indicated, evaluated and calculated by the process transmitter. With the integrated loop power supply two-wire sensors can be powered. The universal inputs enable the connection of current, voltage, RTDs and TCs. Limit values can be monitored and relays can be switched. Via analog outputs process signals can be forwarded. The integrated application package "differential pressure" allows the quick and easy commissioning for differential pressure applications.

Features and specifications

from $407.18
Price as of 02/03/2024

More information and current pricing: www.us.endress.com/RMA42

Endress+Hauser
### Process transmitter

#### Measuring principle
Process transmitter

#### Measuring principle
Process transmitter

#### Function
Universal process and temperature transmitter with control unit

#### Loop power supply
24 V intrinsically safe loop power supply

#### Power Supply
Wide range power supply 24 to 230 V AC/DC (-20 % / +10 %) 50/60 Hz

#### Input
2 x universal (current, voltage, R, RTD, TC, resistance)

#### Output
2 x Analog (current, voltage)

#### Software functions
- Internal software for calculations, linearization, limit monitoring
- Monitoring of sensor wires according NAMUR NE43
- Application package differential pressure measurement

#### Certificates
- ATEX
- FM
- NEPSI
- CSA
- UKCA
- UR C/US
- marine approval
- KTA
- German WHG overfill protection
Process Transmitter + Control Unit RMA42

Process transmitter

**SIL**
2

**Display**
LCD
7 segment
Multicolour
Bargraph
TAG unit
Colour change in case of failure

**Interface**
Not defined

**Dimensions (WxHxD)**
45 x 115 x 118 mm (1.77" x 4.53" x 4.65"

Acquisition / Evaluation

**Measuring principle**
Process transmitter

**Function**
Universal process and temperature transmitter with control unit

**Certification**
ATEX
FM
NEPSI
CSA
CSA GP
UR C/US
Marine approval
KTA
German WHG overfill protection

**Input**
2 x universal (current, voltage, R, RTD, TC, resistance)
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<th><strong>Acquisition / Evaluation</strong></th>
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**Output**
2 x Analog (current, voltage)

**Relay output**
2 x relay
1 x open collector

**Auxiliary power supply / Loop power supply**
24 V intrinsically safe loop power supply

**Dimensions (wxhxd)**
45 x 115 x 118 mm
(1.77" x 4.53" x 4.65")

**Software**
Internal software for calculations, linearization, limit monitoring
Monitoring of sensor wires according NAMUR NE43
Application package differential pressure measurement

**Operation**
On site via 3 buttons
PC configuration via FieldCare

**Display**
LCD
7 segment
Multicolour
Bargraph
TAG unit
Colour change in case of failure

**Operating Voltage**
20–250V AC/DC wide range power supply

**Number of poles**


More information [www.us.endress.com/RMA42](http://www.us.endress.com/RMA42)