

# 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)
- **Output** 2 x Analog (current, voltage)
- **Display** LCD 7 segment Multicolour Bargraph TAG unit Colour change in case of failure
- **Power Supply** Not defined

from **IDR4,196,995.00**

Price as of 05.07.2022

More information and current pricing:

[www.id.endress.com/RMA42](http://www.id.endress.com/RMA42)

**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

**Acquisition / Evaluation****Measuring principle**

Process transmitter

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**Function**

Universal process and temperature transmitter with control unit

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**Certification**

ATEX

FM

NEPSI

CSA

CSA GP

UR C/US

Marine approval

KTA

German WHG overfill protection

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**Input**

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

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**Output**

2 x Analog (current, voltage)

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**Relay output**

2 x relay

1 x open collector

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**Auxiliary power supply / Loop power supply**

24 V intrinsically safe loop power supply

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**Dimensions (wxhxd)**

45 x 115 x 118 mm

(1.77" x 4.53" x 4.65")

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**Software**

Internal software for calculations, linearization, limit monitoring

Monitoring of sensor wires according NAMUR NE43

Application package differential pressure measurement

Acquisition / Evaluation

**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**

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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**

Not defined

**Input**

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

**Process transmitter****Output**

2 x Analog (current, voltage)

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**Software functions**

Internal software for calculations, linearization, limit monitoring

Monitoring of sensor wires according NAMUR NE43

Application package differential pressure measurement

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**Certificates**

ATEX

FM

NEPSI

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CSA GP

UR C/US

marine approval

KTA

German WHG overflow protection

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**SIL**

2

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**Display**

LCD

7 segment

Multicolour

Bargraph

TAG unit

Colour change in case of failure

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**Interface**

Not defined

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**Dimensions (WxHxD)**

45 x 115 x 118 mm (1.77" x 4.53" x 4.65")

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