

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 **SGD458.00**

Price as of 21.09.2021

More information and current pricing:

www.sg.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

Function

Universal process and temperature transmitter with control unit

Certification

ATEX

FM

NEPSI

CSA

CSA GP

UR C/US

Marine approval

KTA

German WHG overflow protection

Input

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

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

Acquisition / Evaluation

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

.

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)

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

Process transmitter

Certificates

ATEX

FM

NEPSI

CSA

CSA GP

UR C/US

marine approval

KTA

German WHG overfill protection

SIL

2

Display

LCD

7 segment

Multicolour

Bargraph

TAG unit

Colour change in case of failure

Interface

Not defined

Process transmitter

Dimensions (WxHxD)

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

More information www.sg.endress.com/RMA42