

RIA45

Process meter with control unit

Multifunctional panel mounted process meter for monitoring and indication of analog measured values



Benefits:

- 5-digit 7-segment LC display, backlit
- 1 or 2 universal inputs
- 2 relays (optional)
- Min./max. value saved
- 1 or 2 calculated values and linearization table
- Digital status output (Open Collector)
- SIL2 approval (optional); marine approval

Specs at a glance

- **Input** 2 x universal (U, I, R, RTD, TC)
- **Output** 1 x loop power supply
- **Output** 2 x analogue output (I, U) 1 x loop power supply
- **Display** Multicolor backlight LCD White/black/yellow Bargraph
Unit TAG Alarm warning in plain text
- **Power Supply** 20...250V AC/DC

from **€240.00**

Price as of 21.10.2021

More information and current pricing:

www.be.endress.com/RIA45

Field of application: Analog measured values are indicated, evaluated and calculated by the process meter. 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

Process indicator & control units**Measuring principle**Indicators with control unit

Measuring principleProcess meter with control unit

Function

Display

Loop power supply

Transmitter functionality

Barrier

Signal isolation

Calculation

Limit alarm

Display

Multicolor backlight LCD

White/black/yellow

Bargraph

Unit

TAG

Alarm warning in plain text

Power Supply20...250V AC/DC

Process indicator & control units**Input**2 x universal (U, I, R, RTD, TC)

Output1 x loop power supply

Output1 x loop power supply

Software functions

Linearization

Minimum value per channel

Maximum value per channel

Calculation

Band value monitoring

Certificates

ATEX II (1)GD[Ex ia] 4C

CSA AIS, NI/I/2 ABCDEFG/T4

FM AIS, NI/I/2 ABCDEFG/T4

marine approval

UR C/US

SIL2

Panel mountingpanel mounting

Acquisition / Evaluation

Measuring principle

Display

Function

Display

Loop power supply

Transmitter functionality

Barrier

Signal isolation

Calculation

Limit alarm

Certification

ATEX II (1)GD[Ex ia] 4C

CSA AIS, NI/I/2 ABCDEFG/T4

FM AIS, NI/I/2 ABCDEFG/T4

Marine approval

UR C/US

Input

2 x universal (U, I, R, RTD, TC)

Output

2 x analogue output (I, U)

1 x loop power supply

Acquisition / Evaluation

Relay output

2 x changeover contact

1 x open collector

Auxiliary power supply / Loop power supply

20...250V AC/DC

Dimensions (wxhxd)

Panel housing:

96 x 48 x 175 mm

(3.78" x 1.89" x 6.89")

Software

Linearization

Minimum value per channel

Maximum value per channel

Calculation

Band value monitoring

Operation

3 keys

Interface CDI to USB at PC + configuration software

FieldCare

Acquisition / Evaluation

Display

Multicolor backlight LCD

White/black/yellow

Bargraph

Unit

TAG

Alarm warning in plain text

More information www.be.endress.com/RIA45