

RIA16

Loop-powered indicator

Excellent readable indication of 4...20 mA signal with trend bar graph for a better process overview



Benefits:

- Display of 4 to 20 mA measured values
- 5-digit measured value display with dimension, bar graph and backlight
- No external power supply required
- Versions: Fiber glass reinforced plastic respectively aluminum for Ex-applications
- Easy 3-key operation; or configuration with FieldCare PC software; or configuration without power supply using setup box
- International approvals; marine approval
- Allows the HART® transmission protocol to pass unimpeded

Specs at a glance

- **Input** 1 x analogue 4...20 mA
- **Output** 1 x open collector
- **Output** 1 x open collector
- **Display** LCD 26 mm (1.02") 5-digit Bargraph Plain text display
- **Power Supply** Loop powered

from **CHF297.00**

Price as of 27.11.2022

More information and current pricing:

www.ch.endress.com/RIA16

Field of application: The indicator shows the measured signal on the large, backlit display. A bar graph indicates the value graphically for a quick process overview. An editable plain text field displays further information like engineering unit or TAG. Limit value infringement is also signaled and an open collector can be switched. The indicator is powered directly from the 4...20 mA loop and doesn't need a separate power supply. For applications in hazardous areas the device is available with Ex approvals.

Features and specifications

Process indicator & control units

Measuring principle

Loop powered indicators

Measuring principle

Loop-powered field indicator

Function

Display

Display

LCD 26 mm (1.02")

5-digit

Bargraph

Plain text display

Power Supply

Loop powered

Input

1 x analogue 4...20 mA

Output

1 x open collector

Output

1 x open collector

Software functions

Not defined

Process indicator & control units**Certificates**

ATEX II2(1)G Ex ib[ia] IIC T6
CSA General Purpose
CSA IS, NI/I/2/ABCDEFG/T6
FM IS, NI/I/2/ABCDEFG/T6
EAC 1Ex ib[ia] IIC T6
IECEX Ex ib[ia] IIC T6
NEPSI Ex ib[ia] IIC T6/T5/T4
UK II2(1)G Ex ib [ia Ga] IIC T6
Gb
marine certificate

SIL

Not defined

Panel mounting

field

Acquisition / Evaluation**Measuring principle**

Display

Function

Display

Certification

UR C/US
CSA GP
ATEX Ex i
FM USA NI
FM USA DIP
CSA NI
CSA DIP
Marine approval

Input

1 x analogue 4...20 mA

Acquisition / Evaluation

Output

1 x open collector

Auxiliary power supply / Loop power supply

Loop powered

Dimensions (wxhxd)

Field housing:

199 x 133 x 96 mm

(7.83" x 5.24" x 3.78")

Operation

3 keys interface on electronics + PC interface

FieldCare

Display

LCD 26 mm (1.02")

5-digit

Bargraph

Plain text display

More information www.ch.endress.com/RIA16