

# RIA14

## Loop-powered field indicator

Excellent readable indication of a 4...20 mA signal on-site 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: Die-cast aluminum housing or stainless steel housing
- 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<sup>®</sup> 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 20 mm (0.79") 5-digit Bargraph Plain text display
- **Power Supply** Loop powered

from **IDR7,571,802.00**

Price as of 05.07.2022

More information and current pricing:

[www.id.endress.com/RIA14](http://www.id.endress.com/RIA14)

**Field of application:** The indicator shows the measured signal on the large, backlit display. An additional bar graph gives a quick process overview and a plain text field displays further information like the engineering unit or TAG. Limit value infringements are also signaled and an open collector can be switched. No separate power supply is required, the indicator is powered directly from the 4...20 mA loop. The housing is available in aluminum and in stainless steel as well as with an optional Ex d approval.

### Features and specifications

## Acquisition / Evaluation

**Measuring principle**

Display

**Function**

Display

**Certification**

UR C/US

CSA GP

ATEX Ex d

ATEX Staub

ATEX n

FM USA NI

FM USA DIP

FM USA XP

CSA NI

CSA DIP

CSA XP

Marine approval

**Input**

1 x analogue 4...20 mA

**Output**

1 x open collector

**Auxiliary power supply / Loop power supply**

Loop powered

**Dimensions (wxhxd)**

Field housing:

132 x 135 x 106 mm

(5.2" x 5.31" x 4.17")

**Operation**

3 keys interface on electronics + PC interface

FieldCare

**Acquisition / Evaluation****Display**

LCD 20 mm (0.79")

5-digit

Bargraph

Plain text display

**Process indicator & control units****Measuring principle**

Loop powered indicators

**Measuring principle**

Loop-powered field indicator

**Function**

Display

**Display**

LCD 20 mm (0.79")

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**

Non-hazardous area

ATEX

CSA

FM

EAC

IECEX

NEPSI

TIIS

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**SIL**

Not defined

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**Panel mounting**

field

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More information [www.id.endress.com/RIA14](http://www.id.endress.com/RIA14)