

## RIA15

### Loop-powered indicator for 4 to 20 mA or HART signals

For the indication of the 4 to 20 mA signal or the HART® values in the field or in the panel!



from **€140.00**

Price as of 28.11.2021

More information and current pricing:

[www.de.endress.com/RIA15](http://www.de.endress.com/RIA15)

#### Benefits:

- Display of 4 to 20 mA measured values or optionally up to four of a sensor's HART® process variables in all industries; Use as primary or secondary HART® master
- 5-digit measured value display with 17 mm (0.67") character height with dimension and bargraph; backlight can be activated
- Panel-mount housing (IP65) or field housing (IP66; Ex approval) as local display; Minimal installation depth
- No external power supply required; Voltage drop  $\leq 1$  V (HART®  $\leq 1.9$  V)
- Easy 3-key operation for configuring the device
- International approvals; marine approval
- SIL interference freeness acc. to EN 60508

#### Specs at a glance

- **Input** 1 x analogue 4...20 mA/HART®
- **Output** Not defined
- **Display** LCD 17 mm (0.67") 5-digit 7-segment bargraph Plain text display for unit/TAG Activatable backlight
- **Power Supply** Loop powered

**Field of application:** The process indicator is available with 4 to 20 mA or with HART® protocol. In the HART® version up to 4 measured values of one sensor can be indicated in alternation. For this the indicator can be set as primary or secondary HART® master and actively inquire the values from the sensor. The small voltage drop of  $< 1$  V ( $< 1.9$  V with HART®) is a huge advantage especially in Ex-applications, where in most cases only a reduced voltage is available.

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## Features and specifications

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### Process indicator & control units

**Measuring principle**

Loop powered indicators

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**Measuring principle**

Loop-powered field indicator

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**Function**

Display

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**Display**

LCD 17 mm (0.67")

5-digit

7-segment bargraph

Plain text display for unit/TAG

Activatable backlight

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**Power Supply**

Loop powered

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**Input**

1 x analogue 4...20 mA/

HART®

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**Output**

Not defined

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**Output**

Not defined

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**Software functions**

Not defined

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Process indicator & control units

**Certificates**

Non-hazardous area  
 ATEX  
 CSA  
 FM IS  
 EAC  
 IECEX  
 JPN Ex  
 NEPSI

**SIL**

Not defined

**Panel mounting**

field  
 panel mounting

Acquisition / Evaluation

**Measuring principle**

Display

**Function**

Display

**Certification**

ATEX II2(1)G Ex ib [ia Ga] IIC T6 Gb  
 CSA Ex ia, Cl. I, Div. 1, Gr. ABCD  
 FM IS, Cl. I, Div. 1, Gr. ABCD  
 IECEX Ex ib [ia Ga] IIC T6 Gb  
 Marine approval

**Input**

1 x analogue 4...20 mA/HART®

**Auxiliary power supply / Loop power supply**

Loop powered

## Acquisition / Evaluation

### Dimensions (wxhxd)

Panel housing:

96 x 48 x 41.5 mm

(3.78" x 1.89" x 1.64")

Plastic or aluminum field housing:

131 x 81.5 x 55.5 mm

(5.16" x 3.21" x 2.19")

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### Operation

3 keys

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### Display

LCD 17 mm (0.67")

5-digit

7-segment bargraph

Plain text display for unit/TAG

Activatable backlight

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More information [www.de.endress.com/RIA15](http://www.de.endress.com/RIA15)