

# 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 **DKK1,772.00**

Price as of 28.11.2022

More information and current pricing:

[www.dk.endress.com/RIA16](http://www.dk.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.

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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 26 mm (1.02")

5-digit

Bargraph

Plain text display

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**Power Supply**

Loop powered

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**Input**

1 x analogue 4...20 mA

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**Output**

1 x open collector

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**Output**

1 x open collector

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**Software functions**

Not defined

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**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

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**SIL**

Not defined

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**Panel mounting**

field

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**Acquisition / Evaluation****Measuring principle**

Display

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**Function**

Display

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**Certification**

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

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**Input**

1 x analogue 4...20 mA

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## Acquisition / Evaluation

### Output

1 x open collector

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### Auxiliary power supply / Loop power supply

Loop powered

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### Dimensions (wxhxd)

Field housing:

199 x 133 x 96 mm

(7.83" x 5.24" x 3.78")

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### Operation

3 keys interface on electronics + PC interface

FieldCare

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### Display

LCD 26 mm (1.02")

5-digit

Bargraph

Plain text display

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More information [www.dk.endress.com/RIA16](http://www.dk.endress.com/RIA16)