

## RIA14 process indicator

Loop-powered Ex d process indicator as field device for 4 to 20 mA signals, HART® transparent



from **€541.00**

Price as of 15.02.2025

More information and current pricing:

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

### 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® transmission protocol to pass unimpeded

### Specs at a glance

- **Input** 1 x analogue 4...20 mA
- **Output** 1 x open collector
- **Display** LCD 20 mm (0.79") 5-digit Bargraph Plain text display
- **Power Supply** Loop powered

**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

**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 20 mm (0.79")  
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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**Software functions**  
Not defined

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**Process indicator & control units****Certificates**

ATEX II2(1)G Ex ib [ia Ga] IIC T6  
Gb  
ATEX II2G Ex db IIC T6 Gb  
ATEX II2D Ex tb IIIC Db  
ATEX II3G Ex nA IIC T6  
CSA General Purpose  
CSA XP,NI,DIP I,II,III/1+2/ABCDEFG  
FM XP,NI,DIP I,II,III/1+2/ABCDEFG  
EAC 1Ex ib[ia] IIC T6  
EAC 1Ex d IIC T6, Ex tD A21  
IECEX Ex ib [ia Ga] IIC T6 Gb  
IECEX Ex db IIC T6 Gb  
IECEX Ex tb IIIC Db  
NEPSI Ex ib[ia] IIC T6/T5/T4  
NEPSI Ex d IIC T6/T5/T4  
TIIS Ex d IIC T6  
UK II2(1)G Ex ib [ia Ga] IIC T6 Gb  
UK II2G Ex db IIC T6 Gb  
UK II2D Ex tb IIIC Db  
marine certificate

**SIL**

Not defined

**Panel mounting**

field

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