

RIA14

Loop-powered field indicator

Excellent readable indication of a 4...20 mA signal on-site for a better process overview!



from **\$605.00**

Price as of 12/09/2022

More information and current pricing:

www.us.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
- **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

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

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

Acquisition / Evaluation

Measuring principle

Display

Function

Display

Acquisition / Evaluation**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

Display

LCD 20 mm (0.79")
5-digit
Bargraph
Plain text display

More information www.us.endress.com/RIA14