

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 **SGD317.72**

Price as of 10.08.2022

More information and current pricing:

www.sg.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 ≤ 1 V (HART® ≤ 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.

Features and specifications

Process indicator & control units

Measuring principle

Loop powered indicators

Measuring principle

Loop-powered field indicator

Function

Display

Display

LCD 17 mm (0.67")

5-digit

7-segment bargraph

Plain text display for unit/TAG

Activatable backlight

Power Supply

Loop powered

Input

1 x analogue 4...20 mA/

HART®

Output

Not defined

Output

Not defined

Software functions

Not defined

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")

Operation

3 keys

Display

LCD 17 mm (0.67")

5-digit

7-segment bargraph

Plain text display for unit/TAG

Activatable backlight

More information www.sg.endress.com/RIA15