Current loop display

Characteristics



4...20 mA current loop

Display range -999...9999, freely adjustable

Minimum/maximum memory

4th digit programmable as unit (°C/°F)

Optionally EEx ia IIC T6

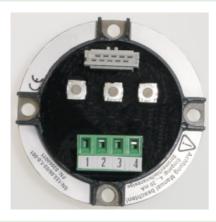
Front IP 67, electronics completely potted

Accessories: several cases available

Very well suitable for on-site indication

Special DIN BUZ-H with M24x1 / Ø 15,3 mm / Ø 22,5 mm

Operation, connection

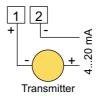


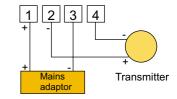
4-pole plug in connector for input

3 keys for programming

Pin head connector for external programming







Cases: BUZ-H, wall mounting, tube mounting







Applications

The current loop display is for use in the whole range of measurement technics where the standard signal of 4...20 mA is still available. Due to several designs of the cases the display is suitable as a on-site indicator in the industrial application range.

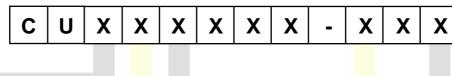






Ordering code and technical data

Ordering code



Version: standard 0 EEx ia IIC T6 1

Accessories: without 0 special DIN BUZ-H (M24x1,5) 1

case for wall mounting 2
case for tube mounting up to 2" 3
case with magnetic mounting 4
special DIN BUZ-H (Ø 15,3) 5

special DIN BUZ-H (Ø 22,5)
with front side reed contacts 0

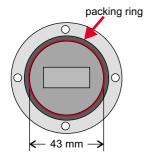
Range of indication: not adjusted 0 adjusted (please indicate, eg 0...600°F) 1

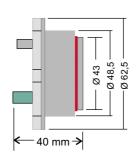
Customized type: special model

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Dimensions

Operating:





Switchboard mounting (hole Ø 43,2 mm)

Technical data

<u>Input</u>

Measurement range 4...20 mA

Input resistance Ri at 20 mA: < 250 ohms

Accuracy

Resolution -999...+9999 digit

-99...+999 digit unit is indicated Measuring fault +/-0,2% of measuring range,

+/- 1 digit
Temperature drift 100 ppm/K
Measuring principle ramp conversion

Indication

Display LED with 7 segments, 8 mm high, red, 4 digits = indication 9999

Overflow/Underflow to HI / to LO

Time of indication 0,1 s - 1 s - 10 s (adjustable)

Homologation

EC Type Examination Certificate ZELM 02 ATEX 0122

Ambient conditions

Operating temperature 0...+60°C Storing temperature -20...+80°C

Mechanics

Housing Ø 43/48,5/62,5 mm x 40mm

Assembly cut out Ø 43,2 mm

Fastening 4 mounting holes for M4 Housing material Macrolon

Degree of protection at the front IP 67 connection IP 20 Weight approx. 40 g

Connection at the rear via plug in connector

up to 1,5 mm²

Process connection of special DIN BUZ-H head

CUX1...: M24x1,5 CUX6...: Ø 15,3 mm CUX7...: Ø 22,5 mm

Programmable features

Range of indication Time of indication Decimal point 4 th digit to unit (°C/°F)

Important notice



Observe the manual when mounting, initiating and operating this indicator. When you are using the Ex model observe in addition the supplied EC Type Examination Certificate (ZELM 02 ATEX 0122)



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