LENNTECH
WATER TREATMENT SOLUTIONS

# RIA45 process indicator with control

## 4-wire process indicator with control unit as a front panel-mounted device with up to two universal sensor inputs and optional SIL approval




**Benefits:**

- 5-digit 7-segment LC display, backlit
- 1 or 2 universal inputs
- 2 relays (optional)
- Min./max. value saved
- 1 or 2 calculated values and linearization table
- Digital status output (Open Collector)
- SIL2 approval (optional); marine approval

### Specs at a glance

- **Input** 2 x universal (U, I, R, RTD, TC)
- **Output** 1 x loop power supply
- **Display** Multicolor backlight LCD White/black/yellow Bargraph Unit TAG Alarm warning in plain text
- **Power Supply** 20...250V AC/DC

**Field of application:** Analog measured values are indicated, evaluated and calculated by the process meter. With the integrated loop power supply two-wire sensors can be powered. The universal inputs enable the connection of current, voltage, RTDs and TCs. Limit values can be monitored and relays can be switched. Via analog outputs process signals can be forwarded. The integrated application package "differential pressure" allows the quick and easy commissioning for differential pressure applications.

## Features and specifications

## Process indicator & control units

**Measuring principle**
Indicators with control unit

**Measuring principle**
Process meter with control unit

**Function**
Display
Loop power supply
Transmitter functionality
Barrier
Signal isolation
Calculation
Limit alarm

**Display**
Multicolor backlight LCD
White/black/yellow
Bargraph
Unit
TAG
Alarm warning in plain text

**Power Supply**
20...250V AC/DC

**Input**
2 x universal (U, I, R, RTD, TC)

**Output**
1 x loop power supply

## Process indicator & control units

**Software functions**
Linearization
Minimum value per channel
Maximum value per channel
Calculation
Band value monitoring

**Certificates**
ATEX [Ex ia]
CSA General Purpose
CSA AIS, NI
FM AIS, NI
UK [Ex ia Ga], [Ex ia Da]
marine certificate

**SIL**
2

**Panel mounting**
panel mounting

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