RID16
8 channel field indicator for fieldbuses

Indication of up to 8 process or calculated values for FOUNDATION Fieldbus™ or PROFIBUS® PA protocol

Benefits:
- Simple and standardized communication via fieldbus protocol
- Listener mode for up to 8 analog channels or digital status
- Brilliant, back lit LC display with bargraph, diagnostic symbols and clear text field
- No external power supply required
- International approvals

Specs at a glance
- **Input** Foundation Fieldbus protocol PROFIBUS PA protocol
- **Output** Not defined
- **Display** High contrast backlit LCD with bargraph TAG/unit
- **Power Supply** Not defined

Field of application: The 8 channel indicator shows measured and calculated values, and status information of the fieldbus users in a FOUNDATION Fieldbus™ or PROFIBUS® PA network. In the listener mode the device listens to the set fieldbus addresses and indicates their values. In addition, for FOUNDATION Fieldbus™ values available on the bus can be indicated via function block interconnection. A plain text field allows the display of the engineering unit or of the TAG. A bargraph is available for trend visualization.

Features and specifications
Process indicator & control units

**Measuring principle**
Fieldbus indicators

**Measuring principle**
8 channel field indicator for fieldbuses

**Function**
Display values
Advanced diagnostic

**Display**
High contrast backlit LCD with bargraph
TAG/unit

**Power Supply**
Not defined

**Input**
Foundation Fieldbus protocol
PROFIBUS PA protocol

**Output**
Not defined

**Software functions**
Listener Mode
On Foundation Fieldbus also function block connection:
Display transducer block
Advanced diagnostic block
2 x input selector
Arithmetic block
Integrator block
PID block
Process indicator & control units

Certificates
ATEX II2G Ex ia IIC T6
CSA General Purpose
CSA IS, NI I / 1+2/A-D
FM IS, NI I / 1+2/A-D
IECEx Ex ia IIC T6 Gb

SIL
Not defined

Panel mounting
field

Acquisition / Evaluation

Measuring principle
Display

Function
Display values
Advanced diagnostic

Certification
ATEX Ex ia
FM
CSA
IECEx Ex ia

Input
Foundation Fieldbus protocol
PROFIBUS PA protocol

Dimensions (wxhxd)
Field housing:
199 x 133 x 96 mm
(7.83 x 5.24" x 3.78")
Acquisition / Evaluation

**Software**
Listener Mode
On Foundation Fieldbus also function block connection:
Display transducer block
Advanced diagnostic block
2 x input selector
Arithmetic block
Integrator block
PID block

**Operation**
Foundation Fieldbus: via fieldbus
PROFIBUS PA: DTM and FieldCare or DIP-switches on the device
Write lock on hardware

**Display**
High contrast backlit LCD with bargraph
TAG/unit

**Operating Voltage**
9-32 V DC, polarity independent

More information [www.endress.com/RID16](http://www.endress.com/RID16)