

# Digital temperature transmitter

## For resistance sensors, head- and rail-mounted version

### Models T15.H, T15.R

WIKA data sheet TE 15.01

For approvals, see  
Seite 7

### Applications

- Process industry
- Machine building and plant construction

### Special features

- For the connection of Pt100 and Pt1000 sensors in a 2-, 3- or 4-wire connection
- For the connection of reed chains in a potentiometer circuit
- Parameterisation with the WIKAsoft-TT configuration software and electrical connection via quick connector magWIK
- Connection terminals also accessible from the outside
- Accuracy < 0.2 K (< 0.36 °F) / 0.1 %

### Description

These temperature transmitters are designed for universal use in plant and machine building, and also in the process industry. They offer high accuracy and excellent protection against electromagnetic influences (EMI). Via the WIKAsoft-TT configuration software and the model PU-548 programming unit, the model T15 temperature transmitters can be parameterised very easily, quickly and with a clear overview.

Besides the selection of the sensor type and the measuring range, the software enables the error signalling operation, damping, several measuring location descriptions and process adjustment to be stored. Furthermore, the WIKAsoft-TT software offers a line recording functionality where the temperature profile for the sensor connected to the T15 can be displayed.

The model T15 transmitter also has diverse supervisory

functionality, such as the monitoring of the sensor wire resistance and sensor-break detection in accordance with NAMUR NE89 as well as monitoring of the measuring range. Moreover, these transmitters have comprehensive cyclic self-monitoring functionality.



Fig. left: head-mounted version, model T15.H  
Fig. right: rail-mounted version, model T15.R

برای خرید  
اسکن کنید



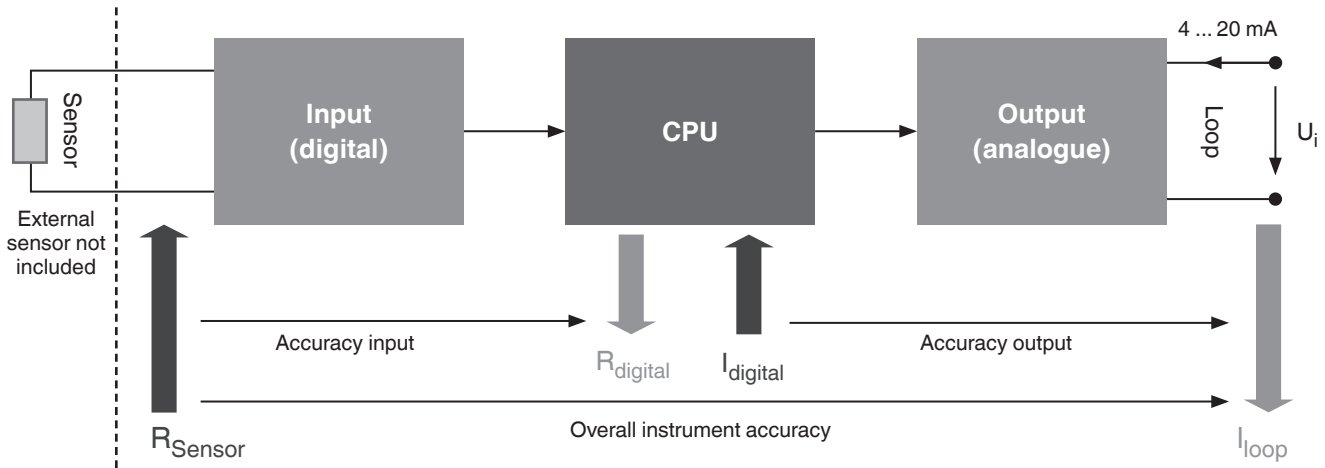
# Specifications

| Basic information     |                                                 |                                 |
|-----------------------|-------------------------------------------------|---------------------------------|
|                       | T15.H head-mounted version                      | T15.R rail-mounted version      |
| <b>Housing</b>        |                                                 |                                 |
| Material (non-wetted) | PBT plastic, glass-fibre reinforced             | Plastic                         |
| Weight                | Approx. 45 g [approx. 1.6 oz]                   | Approx. 0.2 kg (approx. 7.1 oz) |
| Screwdriver           | Cross head ('Pozidrive' tip), size 2 (ISO 8764) | Slotted, 3 x 0.5 mm (ISO 2380)  |
| Tightening torque     | 0.5 Nm                                          | 0.5 Nm                          |

| Measuring element                           |                                                                                                        |                                       |           |                                               |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------|-----------|-----------------------------------------------|
|                                             | Sensor type                                                                                            | Max. configurable measuring range     | Standard  | Min. measuring span (MS)                      |
| <b>Resistance sensor</b>                    | Pt100                                                                                                  | -200 ... +850 °C [-328 ... +1,562 °F] | IEC 60751 | 10 K [50 °F] or 3.8 Ω (greater value applies) |
|                                             | Pt1000                                                                                                 | -200 ... +850 °C [-328 ... +1,562 °F] | IEC 60751 |                                               |
| <b>Potentiometer <sup>1)</sup></b>          | Reed chains                                                                                            | 0 ... 100 % (= min. 1 ... max. 50 kΩ) | n.a.      | 10 % (= min. 1 kΩ)                            |
| <b>Measuring current during measurement</b> | Max. 0.2 mA (Pt100/Pt1000)<br>Max. 0.1 mA (reed)                                                       |                                       |           |                                               |
| <b>Connection methods</b>                   | 1 sensor in 2-, 3-, 4-wire connection<br>→ For further notes, see „Assignment of connection terminals“ |                                       |           |                                               |

1)  $R_{\text{total}}$ : 10 ... 50 kΩ

## Accuracy specifications



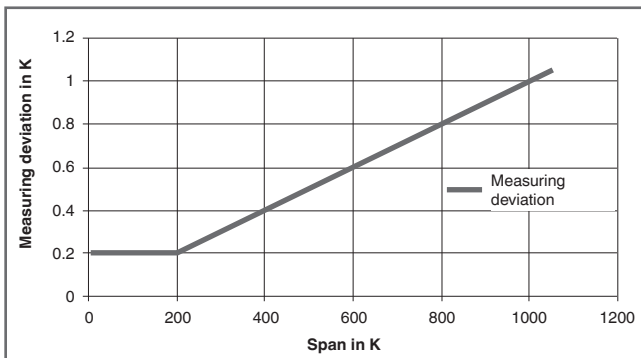
The product-specific accuracy specifications refer to the overall instrument ( $\text{Error}_{\text{overall}} = \text{Error}_{\text{input}} + \text{Error}_{\text{output}}$ ). To determine the total error, all possible types of error must be considered. These are summarised in the following table.

| Accuracy specifications                       |                                                                                      |                                                                                                                                                                           |                                                                         |                                          |
|-----------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------|
| Input and output in accordance with IEC 62828 |                                                                                      |                                                                                                                                                                           |                                                                         |                                          |
| Input sensor type                             | Mean temperature coefficient every 10 K ambient temperature deviation from $T_{ref}$ | Measuring deviation at reference conditions <sup>1)</sup> in accordance with DIN EN 60770, NE 145 <sup>2)</sup>                                                           | Influence of auxiliary power every 1 V voltage change from $U_{i, ref}$ | Long-term drift per IEC 61298-2 per year |
| <b>Pt100/Pt1000</b>                           | $\leq \pm(0.1 \text{ K} + 0.005 \% \text{ MS})$                                      | 0.2 K or 0.1 % (greater value applies)<br><br>MS < 200 K: 0.2 K<br><br>MS > 200 K: 0.1 % of MS<br><br>→ For further information, see chart „Measuring deviation via span“ | $\pm 0.005 \% \text{ of MS}$                                            | < 0.1 % of MS                            |
| <b>Potentiometer</b>                          | $\leq \pm 0.01 \% \text{ of MS}$                                                     | Relative accuracy: 0.2 % ( $R_{part}/R_{total}$ in %)<br>Absolute accuracy: 1 % ( $R_{part}/R_{total}$ in $\Omega$ )                                                      | $\pm 0.005 \% \text{ of MS}$                                            | < 0.1 % of MS                            |

1) Reference conditions: temperature: 23 °C [73 °F]  $\pm 3$  K, relative humidity: 50 - 70 %, ambient pressure: 86 - 106 kPa, auxiliary power  $U_{i, ref}$ : 24 V

2) In the event of interference caused by high-frequency electromagnetic fields in a frequency range from 80 to 400 MHz, an increased measuring deviation of up to 0.8 % is to be expected. During transient interferences (e.g. burst, surge, ESD) take into account an increased measuring deviation of up to 1.5 %.

### Measuring deviation via span



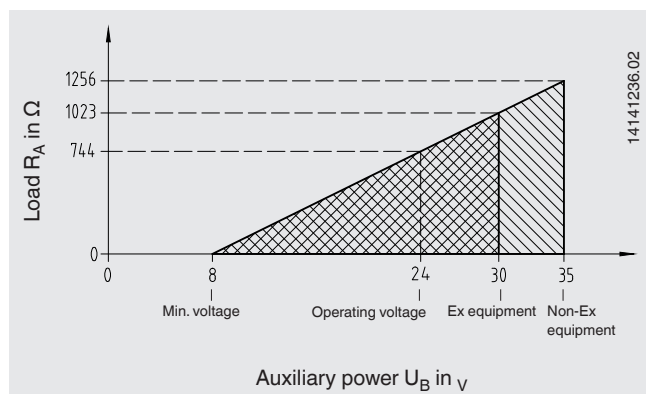
| Output signal                                          |                                                                                                               |                                                   |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Analogue output                                        | Linear to temperature per IEC 60751                                                                           |                                                   |
| Output limits per NAMUR NE43                           | Lower limit                                                                                                   | Upper limit                                       |
|                                                        | 3.8 mA                                                                                                        | 20.5 mA                                           |
| Current value for signalling per NAMUR NE43            | Downscale                                                                                                     | Upscale                                           |
|                                                        | < 3.6 mA (3.5 mA)                                                                                             | > 20.5 mA (21.5 mA)                               |
| Voltage supply                                         |                                                                                                               |                                                   |
| Auxiliary power U <sub>B</sub>                         | DC 8 ... 35 V                                                                                                 |                                                   |
| Load R <sub>A</sub>                                    | R <sub>A</sub> ≤ (U <sub>B</sub> - 8 V) / 0.0215 A with R <sub>A</sub> in Ω and U <sub>B</sub> in V           |                                                   |
| Ex-relevant connection values                          | See “Safety-relevant characteristics (explosion-protected version)”                                           |                                                   |
| Factory configuration                                  |                                                                                                               |                                                   |
| Sensor                                                 | Pt100                                                                                                         |                                                   |
| Connection method                                      | 3-wire connection                                                                                             |                                                   |
| Measuring range                                        | 0 ... 150 °C [32 ... 302 °F]                                                                                  |                                                   |
| Error signalling                                       | Downscale                                                                                                     |                                                   |
| Damping                                                | Off                                                                                                           |                                                   |
| Monitoring functions                                   |                                                                                                               |                                                   |
| Sensor break monitoring                                | Configurable via software<br>Default: downscale                                                               |                                                   |
| Sensor short-circuit monitoring                        | Configurable via software<br>Default: downscale                                                               |                                                   |
| Measuring range monitoring                             | Monitoring of the set measuring range for upper/lower deviations configurable<br>Standard: deactivated        |                                                   |
| Drag pointer (internal temperature of the electronics) | Comparative value in relation to the permissible ambient temperature                                          |                                                   |
| Time response                                          |                                                                                                               |                                                   |
| Step response time                                     | < 0.6 s (typical < 0.4 s) <sup>1)</sup>                                                                       |                                                   |
| Switch-on time                                         | Max. 3 s                                                                                                      |                                                   |
| Damping                                                | Configurable between 1 s and 60 s                                                                             |                                                   |
| Warm-up time                                           | After approx. 4 minutes the instrument will function to the specifications (accuracy) given in the data sheet |                                                   |
| Measuring rate                                         | Measured value update                                                                                         | With 2-, 4-wire connection approx. 20/s           |
|                                                        |                                                                                                               | With 3-wire connection/potentiometer, approx. 5/s |

1) Deviation possible in case of Pt1000 4-wire connection

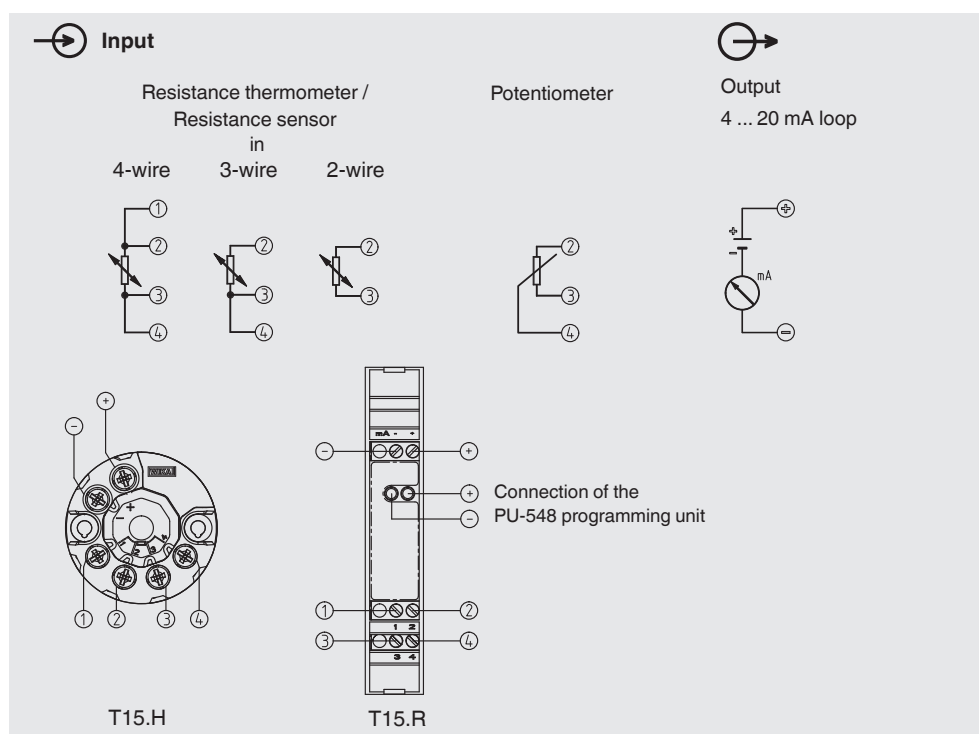
| Electrical connection      |                               |                                                     |
|----------------------------|-------------------------------|-----------------------------------------------------|
| Connection type            | Cable                         |                                                     |
| Wire cross-section         |                               |                                                     |
| T15.H head-mounted version | Solid wire                    | 0.14 ... 2.5 mm <sup>2</sup> (24 ... 14 AWG)        |
|                            | Stranded wire with end splice | 0.14 ... 1.5 mm <sup>2</sup> (24 ... 16 AWG)        |
| T15.R rail-mounted version | Solid wire                    | 0.14 ... 2.5 mm <sup>2</sup> (24 ... 14 AWG)        |
|                            | Stranded wire with end splice | 0.14 ... 2.5 mm <sup>2</sup> (24 ... 14 AWG)        |
| Lead resistance            | 3- and 4-wire connection      | Max. 50 Ω each wire                                 |
|                            | 2-wire connection             | Configurable<br>Input of the values via WIKAsoft-TT |

## Load diagram

The permissible load depends on the loop supply voltage.



## Assignment of connection terminals



| Operating conditions                                                                                                                |                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Ambient temperature range</b>                                                                                                    | {-50} -40 ... +85 {+105} °C [{-58} -40 ... +185 {+221} °F]                                                              |
| <b>Storage temperature range</b>                                                                                                    | -40 ... +85 °C [-40 ... +185 °F]                                                                                        |
| <b>Humidity</b>                                                                                                                     |                                                                                                                         |
| Model T15.H per IEC 60068-2-38:2009                                                                                                 | Test max. temperature variation 65 °C [149 °F] / -10 °C [14 °F], 93 % ±3 % relative humidity (condensation permissible) |
| Model T15.R per IEC 60068-2-30:2005                                                                                                 | Test max. temperature 55 °C [131 °F], 95 % relative humidity (condensation permissible in vertical mounting position)   |
| <b>Climate class per IEC 654-1:1993</b>                                                                                             | Cx (-40 ... +85 °C [-40 ... +185 °F], 5 ... 95 % relative humidity                                                      |
| <b>Salt mist per IEC 68-2-52:1996, IEC 60068-2-52:1996</b>                                                                          | Severity grade 1                                                                                                        |
| <b>Vibration resistance per IEC 60068-2-6:2008</b>                                                                                  | Test Fc: 10 ... 2,000 Hz; 10 g, amplitude 0.75 mm (0.03 in)                                                             |
| <b>Shock resistance per IEC 68-2-27:2009</b>                                                                                        |                                                                                                                         |
| Model T15.H                                                                                                                         | 100 g / 6 ms                                                                                                            |
| Model T15.R                                                                                                                         | 30 g / 11 ms                                                                                                            |
| <b>Free fall per IEC 60721-3-2:1997, DIN EN 60721-3-2:1998</b>                                                                      | Height of fall 1.5 m [4.9 ft]                                                                                           |
| <b>Ingress protection of the complete instrument</b>                                                                                |                                                                                                                         |
| Head-mounted version                                                                                                                | IP00 (electronics completely potted)                                                                                    |
| Rail-mounted version                                                                                                                | IP20                                                                                                                    |
| <b>Electromagnetic compatibility <sup>1)</sup> per DIN EN 55011:2010, DIN EN 61326-2-3:2013, NAMUR NE21:2012, GL 2012 VI Part 7</b> | Emission (group 1, class B) and immunity (industrial environment) [HF field, HF cable, ESD, Burst, Surge]               |

{ } Items in curved brackets are options for an additional price, not for ATEX versions of the head mounting version and not for T15.R rail-mounted version

1) In the event of interference caused by high-frequency electromagnetic fields in a frequency range from 80 to 400 MHz, an increased measuring deviation of up to 0.8 % is to be expected. During transient interferences (e.g. burst, surge, ESD) take into account an increased measuring deviation of up to 1.5 %.

## Approvals

| Logo                                                                              | Description                                                                 | Region         |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|
|  | <b>EU declaration of conformity</b>                                         | European Union |
|                                                                                   | EMC Directive                                                               |                |
|                                                                                   | EN 61326 emission (group 1, class B) and immunity (industrial environments) |                |
|                                                                                   | RoHS directive                                                              |                |

### Optional approvals

| Logo                                                                                | Description                                                                                                                                                                                                                                     | Region                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
|    | <b>EU declaration of conformity</b>                                                                                                                                                                                                             | European Union              |
|                                                                                     | ATEX directive                                                                                                                                                                                                                                  |                             |
|                                                                                     | Hazardous areas                                                                                                                                                                                                                                 |                             |
|                                                                                     | - Ex i Zone 0 gas II 1G Ex ia IIC T6 ... T4 Ga<br>Zone 2 gas II 3G Ex ic IIC T6 ... T4 Gc X<br>Zone 20 dust II 1D Ex ia IIIC T135 °C Da<br>- Ex e Zone 2 gas II 3G Ex ec IIC T6 ... T4 Gc X                                                     |                             |
|    | <b>IECEx</b>                                                                                                                                                                                                                                    | International               |
|                                                                                     | Hazardous areas                                                                                                                                                                                                                                 |                             |
|                                                                                     | - Ex i Zone 0 gas Ex ia IIC T6 ... T4 Ga<br>Zone 2 gas Ex ic IIC T6 ... T4 Gc X<br>Zone 20 dust Ex ia IIIC T135 °C Da<br>- Ex e Zone 2 gas Ex ec IIC T6 ... T4 Gc X                                                                             |                             |
|                                                                                     |                                                                                                                                                                                                                                                 |                             |
|    | <b>FM</b>                                                                                                                                                                                                                                       | USA                         |
|                                                                                     | Hazardous areas<br>Class I, division 1 or 2, groups A/B/C/D, T6 ... T4<br>Class I, zone 0 or 1, AEx ia IIC T6 ... T4                                                                                                                            |                             |
|  | <b>CSA</b>                                                                                                                                                                                                                                      | Canada                      |
|                                                                                     | Safety (e.g. electr. safety, overpressure, ...)                                                                                                                                                                                                 |                             |
|                                                                                     | Hazardous areas                                                                                                                                                                                                                                 |                             |
|                                                                                     | Class I, division 1 or 2, groups A/B/C/D, T6 ... T4<br>Class II, division 1 or 2, groups E/F/G, T6 ... T4 / T135 °C, class III<br>Class I, zone 0 or 1, Ex ia [ia Ga] IIC T6 ... T4 Ga<br>Class I, zone 20 or 21, Ex ia [ia Da] IIIC T135 °C Da |                             |
|  | <b>EAC</b>                                                                                                                                                                                                                                      | Eurasian Economic Community |
|                                                                                     | EMC Directive                                                                                                                                                                                                                                   |                             |
|                                                                                     | Hazardous areas                                                                                                                                                                                                                                 |                             |
|                                                                                     | - Ex i Zone 0 gas 0 Ex ia IIC T4/T5/T6<br>Zone 1 gas 1 Ex ib IIC T4/T5/T6<br>Zone 2 gas 2 Ex ic IIC T4/T5/T6<br>Zone 20 dust DIP A20 Ta 135 °C<br>Zone 21 dust DIP A21 Ta 135 °C<br>- Ex e Zone 2 gas 2 Ex ec IIC T4/T5/T6                      |                             |
|  | <b>Ex Ukraine</b>                                                                                                                                                                                                                               | Ukraine                     |
|                                                                                     | Mining                                                                                                                                                                                                                                          |                             |
|                                                                                     | Hazardous areas                                                                                                                                                                                                                                 |                             |
|                                                                                     | - Ex i Zone 0 gas II 1G Ex ia IIC T6 ... T4 Ga<br>Zone 20 dust II 1D Ex ia IIIC T135 °C Da                                                                                                                                                      |                             |
| -                                                                                   | <b>PESO</b>                                                                                                                                                                                                                                     | India                       |
|                                                                                     | Hazardous areas                                                                                                                                                                                                                                 |                             |
|                                                                                     | - Ex i Zone 0 gas Ex ia IIC T6 ... T4 Ga<br>Zone 2 gas Ex ic IIC T6 ... T4 Gc X<br>Zone 20 dust Ex ia IIIC T135 °C Da<br>- Ex e Zone 2 gas Ex ec IIC T6 ... T4 Gc X                                                                             |                             |
|                                                                                     |                                                                                                                                                                                                                                                 |                             |

| Logo                                                                              | Description                                                | Region     |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|------------|
|  | <b>PAC Kazakhstan</b><br>Metrology, measurement technology | Kazakhstan |
|  | <b>PAC Uzbekistan</b><br>Metrology, measurement technology | Uzbekistan |

## Certificates

| Description         |                                                                                                                                                                                                                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Certificates</b> | <ul style="list-style-type: none"> <li>■ 2.2 test report per EN 10204 (e.g. state-of-the-art manufacturing, material proof, indication accuracy)</li> <li>■ 3.1 inspection certificate per EN 10204 (e.g. material proof for wetted metal parts, indication accuracy, calibration certificate)</li> </ul> |

→ For approvals and certificates, see website

## Safety-related characteristic values (Ex)

■ Models T15.x-AI, T15.x-AC

### Intrinsically safe connection values for the current loop (4 ... 20 mA)

Protection level Ex ia IIC/IIB/IIA, Ex ia IIIC or Ex ic IIC/IIB/IIA

| Safety-related characteristic values (Ex)     | Models T15.x-AI, T15.x-AC |                        | Model T15.x-AI             |
|-----------------------------------------------|---------------------------|------------------------|----------------------------|
|                                               | Gas hazardous application |                        | Dust hazardous application |
| Connection values                             |                           |                        |                            |
| Terminals                                     | + / -                     |                        | + / -                      |
| Max. voltage U <sub>i</sub>                   | DC 30 V                   |                        | DC 30 V                    |
| Max. current I <sub>i</sub>                   | 130 mA                    |                        | 130 mA                     |
| Max. power P <sub>i</sub>                     | 800 mW                    |                        | 750/650/550 mW             |
| Effective internal capacitance C <sub>i</sub> | 18.4 nF                   |                        | 18.4 nF                    |
| Effective internal inductance L <sub>i</sub>  | 20 μH                     |                        | 20 μH                      |
| Connection values of sensor circuit           |                           |                        |                            |
| Terminals                                     | 1 - 4                     |                        | 1 - 4                      |
| Max. voltage U <sub>0</sub>                   | DC 30 V                   |                        | DC 30 V                    |
| Max. current I <sub>0</sub>                   | 8.2 mA                    |                        | 8.2 mA                     |
| Max. power P <sub>0</sub>                     | 62 mW                     |                        | 62 mW                      |
| Effective internal capacitance C <sub>i</sub> | IIC                       | 30 nF <sup>1)</sup>    | 180 nF <sup>1)</sup>       |
| Effective internal capacitance C <sub>i</sub> | IIB IIC                   | 0.520 μF <sup>1)</sup> | 1.37 μF <sup>1)</sup>      |
| Effective internal capacitance C <sub>i</sub> | IIA                       | 1.70 μF <sup>1)</sup>  | 5.40 μF <sup>1)</sup>      |
| Max. external inductance L <sub>0</sub>       | IIC                       | 1 mH                   | 2 mH                       |
| Max. external inductance L <sub>0</sub>       | IIB IIC                   | 1 mH                   | 2 mH                       |
| Max. external inductance L <sub>0</sub>       | IIA                       | 1 mH                   | 2 mH                       |
| Characteristic curve                          | Linear                    |                        |                            |

1) Internal L and C have already been considered



| Application | Ambient temperature range                           | Temperature class | Power P <sub>i</sub> |
|-------------|-----------------------------------------------------|-------------------|----------------------|
| Group II    | -40 °C [-40 °F] ≤ T <sub>a</sub> ≤ +85 °C [+185 °F] | T4                | 800 mW               |
|             | -40 °C [-40 °F] ≤ T <sub>a</sub> ≤ +70 °C [+158 °F] | T5                | 800 mW               |
|             | -40 °C [-40 °F] ≤ T <sub>a</sub> ≤ +55 °C [+131 °F] | T6                | 800 mW               |
| Group IIIC  | -40 °C [-40 °F] ≤ T <sub>a</sub> ≤ +40 °C [+104 °F] | N/A               | 750 mW               |
|             | -40 °C [-40 °F] ≤ T <sub>a</sub> ≤ +75 °C [+167 °F] | N/A               | 650 mW               |
|             | -40 °C [-40 °F] ≤ T <sub>a</sub> ≤ +85 °C [+185 °F] | N/A               | 550 mW               |

N / A = not applicable

#### Legend

U<sub>o</sub>: Maximum voltage of any conductor against the other three conductors

I<sub>o</sub>: Maximum output current for the least favourable connection of the internal current limiting resistors

P<sub>o</sub>: U<sub>o</sub> x I<sub>o</sub> divided by 4 (linear characteristic)

#### ■ Model T15.x-AE

#### Power and signal circuit (4 ... 20 mA loop)

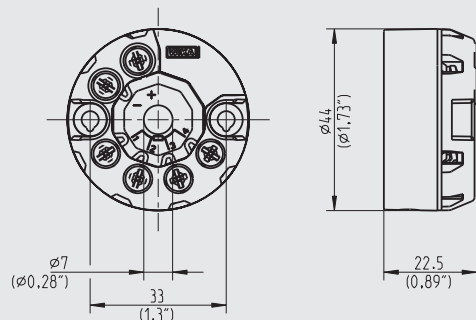
Protection level Ex ec IIC/IIB/IIA

| Safety-related characteristic values (Ex)  | Model T15.x-AE                      |
|--------------------------------------------|-------------------------------------|
|                                            | Gas hazardous application           |
| <b>Connection values</b>                   |                                     |
| Terminals                                  | + / -                               |
| Max. voltage U <sub>i</sub>                | DC 35 V                             |
| Max. current I <sub>i</sub>                | 21.5 mA                             |
| <b>Connection values of sensor circuit</b> |                                     |
| Protection level                           | Ex ec IIC/IIB/IIA                   |
| Terminals                                  | 1 - 4                               |
| Max. power P <sub>o</sub>                  | ■ 0.33 mW<br>■ DC 3.3 V<br>■ 0.1 mA |

| Application | Ambient temperature range                           | Temperature class |
|-------------|-----------------------------------------------------|-------------------|
| Group II    | -40 °C [-40 °F] ≤ T <sub>a</sub> ≤ +85 °C [+185 °F] | T4                |
|             | -40 °C [-40 °F] ≤ T <sub>a</sub> ≤ +70 °C [+158 °F] | T5                |
|             | -40 °C [-40 °F] ≤ T <sub>a</sub> ≤ +55 °C [+131 °F] | T6                |
| Group IIIC  | -40 °C [-40 °F] ≤ T <sub>a</sub> ≤ +40 °C [+104 °F] | N/A               |
|             | -40 °C [-40 °F] ≤ T <sub>a</sub> ≤ +75 °C [+167 °F] | N/A               |
|             | -40 °C [-40 °F] ≤ T <sub>a</sub> ≤ +85 °C [+185 °F] | N/A               |

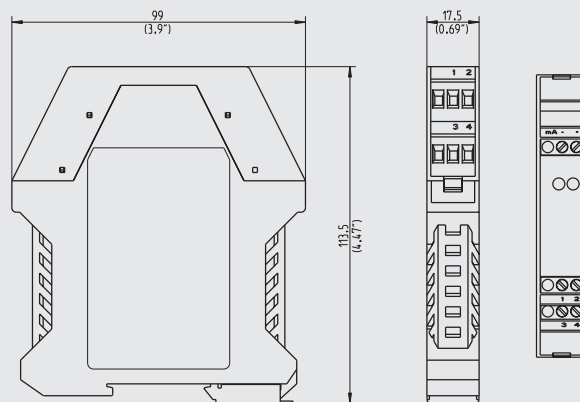
## Dimensions in mm [in]

Head-mounted version, model T15.H



14263238.01

Rail-mounted version, model T15.R



14263238.01

The dimensions of the head-mounted transmitter match the form B DIN connection heads with extended mounting space, e.g. WIKA model BSZ.

The transmitters in rail mounting cases are suitable for all standard rails in accordance with IEC 60715.

## Configuration

### Connecting the PU-548 programming unit



For direct communication via the serial interface of a PC/notebook, a model PU-548 programming unit is needed (see “Accessories”).

### Configuration software WIKAsoft-TT

WIKAsoft-TT

Digitale Temperatur-Transmitter

WIKAI

Detail Gerät ?

COM-Port  
COM25

Konfiguration Fehlerdiagnose Messwerte

Gerätedaten laden Konfiguration laden

Transmittertypcode  
T15.H-ZZZZZ

Seriennummer  
1A00AFW8M

Firmware  
1.0.8

Zulässige Umgebungstemperatur  
-40 ... 85 °C

Maximale Gerätetemperatur  
29 °C

Datum Werkskalibrierung  
13.12.2016

Letztes Konfigurationsdatum  
02.06.2017

TAG-Nr.  
TEST

Beschreibung

Anwendernachricht

Eingang

Sensortyp  
Pt100

Fehlerrückmeldung (NAMUR)

Interne Hardware-Fehler  
zustueuend (3,5 mA)

Fühlerkurzschluss  
zustueuend (3,5 mA)

Fühlerbruch  
zustueuend (3,5 mA)

Konfigurationsfehler  
zustueuend (3,5 mA)

Messwert außerhalb Messbereich  
deaktiviert

Prozessanpassung

Art der Anpassung  
keine Anpassung

Messbereich  
0 ... 50 °C

Dämpfung  
0 Sekunden

Konfigurationsprotokoll

In das Gerät speichern

## Accessories and spare parts

| Model                                                                             | Description                                                                                                                                                                                                                                                                                                                          | Order number |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|  | <b>Programming unit model PU-548</b><br>Programming unit for USB interface for use with the WIKAsoft-TT configuration software<br>Easy to use<br>LED status display<br>Compact design<br>No further voltage supply needed, neither for the programming unit nor for the transmitter<br>Incl. 1 model magWIK magnetic quick connector | 14231581     |
|  | <b>Adapter</b><br>Suitable for TS 35 per DIN EN 60715 (DIN EN 50022) or TS 32 per DIN EN 50035<br>Material: plastic / stainless steel<br>Dimensions: 60 x 20 x 41.6 mm                                                                                                                                                               | 3593789      |
|  | <b>Adapters</b><br>Suitable for TS 35 per DIN EN 60715 (DIN EN 50022)<br>Material: steel, tin-plated<br>Dimensions: 49 x 8 x 14 mm                                                                                                                                                                                                   | 3619851      |
|  | <b>Magnetic quick connector, model magWIK</b><br>Replacement for crocodile clips and HART® terminals<br>Fast, safe and secure electrical connection<br>For all configuration and calibration processes                                                                                                                               | 14026893     |

### Ordering information

Model / Explosion protection / Additional approvals / Permissible ambient temperature / Configuration / Certificates / Options



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