

Pipe surface resistance thermometer, for clamping

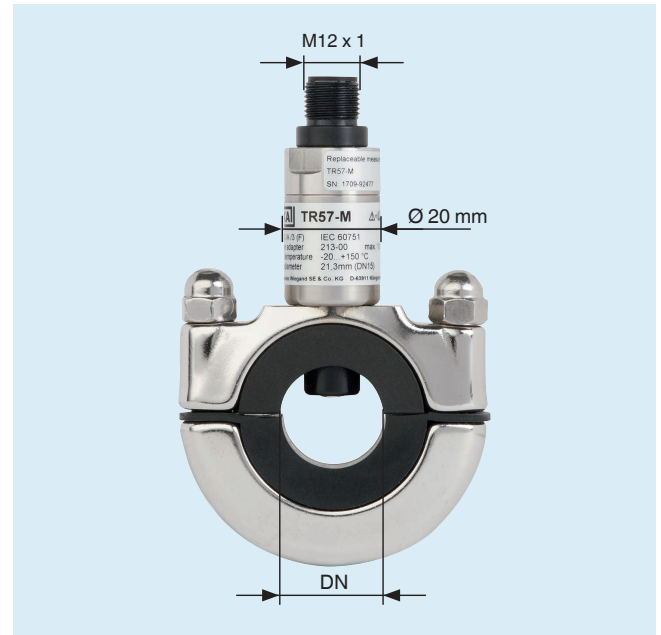
10/2017

Applications

- Sanitary applications
- Food and beverage industry
- Bio and pharmaceutical industry, production of active ingredients

Special features

- No intrusion into the pipeline
- Compact design for space-saving mounting
- Simple and fast electrical connection using an M12 x 1 plug connection
- Measuring insert removable and calibratable



Order numbers

| Output signal                            |  | Pt100, 3-wire   |
|--|--|-----------------|
| Process temperature                      |  | -20 ... +150 °C |
| Outer diameter of pipe and nominal width | 12.0 mm: DN 10, EN 10357 series B          | 14148660        |
|  | 13.0 mm: DN 10, EN 10357 series A          | 14159217        |
|  | 12.7 mm: ½", DIN 11866 row C / ASME-BPE    | 14218822        |
|  | 13.5 mm: DN 8, DIN 11866 row B (ISO 1127)  | 14218826        |
|  | 17.2 mm: DN 10, DIN 11866 row B (ISO 1127) | 14159218        |
|  | 18.0 mm: DN 15, EN 10357 series B          | 14159219        |
|  | 19.0 mm: DN 15, EN 10357 series A          | 14148661        |
|  | 19.0 mm: ¾", DIN 11866 row C / ASME-BPE    | 14159223        |
|  | 21.3 mm: DN 15, DIN 11866 row B            | 14159224        |
|  | 23.0 mm: DN 20, EN 10357 series A          | 14159225        |
|  | 25.4 mm: 1", DIN 11866 row C / ASME-BPE    | 14159226        |
|  | 26.9 mm: DN 20, DIN 11866 row B            | 14159227        |
|  | 28.0 mm: DN 25, EN 10357 series B          | 14159228        |
|  | 29.0 mm: DN 25, EN 10357 series A          |                 |
|  | 33.7 mm: DN 25, DIN 11866 row B            |                 |

| Order numbers                            |   |                 |          |
|--|---|-----------------|----------|
| Output signal                            |   | Pt100, 3-wire   |          |
| Process temperature                      |   | -20 ... +150 °C |          |
| Outer diameter of pipe and nominal width | 34.0 mm: DN 32, EN 10357 series B         |                 | 14148662 |
|  | 35.0 mm: DN 32, EN 10357 series A         |                 | 14159234 |
|  | 38.1 mm: 1 ½", DIN 11866 row C / ASME-BPE |                 | 14159235 |
|  | 40.0 mm: DN 40, EN 10357 series B         |                 | 14159236 |
|  | 41.0 mm: DN 40, EN 10357 series A         |                 | 14159237 |
|  | 42.4 mm: DN 32, DIN 11866 row B           |                 | 14159238 |
|  | 48.3 mm: DN 40, DIN 11866 row B           |                 | 14159239 |
|  | 50.8 mm: 2", DIN 11866 row C / ASME-BPE   |                 | 14159240 |
|  | 52.0 mm: DN 50, EN 10357 series B         |                 | 14159241 |
|  | 53.0 mm: DN 50, EN 10357 series A         |                 | 14159243 |
|  | 60.3 mm: DN 50, DIN 11866 row B           |                 | 14148663 |
|  | 63.5 mm: 2 ½", DIN 11866 row C / ASME BPE |                 | 14159255 |
|  | 70.0 mm: DN 65, EN 10357 series A         |                 | 14148664 |
|  | 76.1 mm: DN 65, DIN 11866 row B           |                 | 14159257 |
|  | 76.2 mm: 3", DIN 11866 row C / ASME-BPE   |                 | 14159257 |
|  | 85.0 mm: DN 80, EN 10357 series A         |                 | 14159258 |
| 88.9 mm: DN 80, DIN 11866 row B          |   | 14159259        |          |

Legend: available from stock in Germany available after production -- not available

| Order numbers                            |  |                 |                 |                 |
|--|--|-----------------|-----------------|-----------------|
| Output signal                            |  | 4 ... 20 mA     |                 |                 |
| Process temperature                      |  | -20 ... +100 °C | -20 ... +100 °C | -20 ... +150 °C |
| Transmitter configuration                |  | -10 ... +50 °C  | 0 ... 100 °C    | 0 ... 150 °C    |
| Outer diameter of pipe and nominal width | 12.0 mm: DN 10, EN 10357 series B          | 14148645        | 14148650        | 14148655        |
|  | 13.0 mm: DN 10, EN 10357 series A          | 14158943        | 14158987        | 14159093        |
|  | 12.7 mm: ½", DIN 11866 row C / ASME-BPE    |                 |                 |                 |
|  | 13.5 mm: DN 8, DIN 11866 row B (ISO 1127)  | 14218814        | 14218819        | 14218820        |
|  | 17.2 mm: DN 10, DIN 11866 row B (ISO 1127) | 14218823        | 14218824        | 14218825        |
|  | 18.0 mm: DN 15, EN 10357 series B          | 14158944        | 14158988        | 14159094        |
|  | 19.0 mm: DN 15, EN 10357 series A          | 14158945        | 14158989        | 14159095        |
|  | 19.0 mm: ¾", DIN 11866 row C / ASME-BPE    |                 |                 |                 |
|  | 21.3 mm: DN 15, DIN 11866 row B            | 14148646        | 14148651        | 14148656        |
|  | 23.0 mm: DN 20, EN 10357 series A          | 14158947        | 14158999        | 14159119        |
|  | 25.4 mm: 1", DIN 11866 row C / ASME-BPE    | 14158948        | 14159000        | 14159120        |
|  | 26.9 mm: DN 20, DIN 11866 row B            | 14158949        | 14159001        | 14159121        |

| Order numbers                            |   |                 |                 |                 |
|--|---|-----------------|-----------------|-----------------|
| Output signal                            |   | 4 ... 20 mA     |                 |                 |
| Process temperature                      |   | -20 ... +100 °C | -20 ... +100 °C | -20 ... +150 °C |
| Transmitter configuration                |   | -10 ... +50 °C  | 0 ... 100 °C    | 0 ... 150 °C    |
| Outer diameter of pipe and nominal width | 28.0 mm: DN 25, EN 10357 series B           | 14158950        | 14159002        | 14159122        |
|  | 29.0 mm: DN 25, EN 10357 series A           | 14158951        | 14159003        | 14159123        |
|  | 33.7 mm: DN 25, DIN 11866 row B             | 14158952        | 14159004        | 14159124        |
|  | 34.0 mm: DN 32, EN 10357 series B           | 14148647        | 14148652        | 14148657        |
|  | 35.0 mm: DN 32, EN 10357 series A           | 14158955        | 14159017        | 14159142        |
|  | 38.1 mm: 1 1/2", DIN 11866 row C / ASME-BPE | 14158956        | 14159018        | 14159143        |
|  | 40.0 mm: DN 40, EN 10357 series B           | 14158957        | 14159019        | 14159145        |
|  | 41.0 mm: DN 40, EN 10357 series A           | 14158958        | 14159020        | 14159147        |
|  | 42.4 mm: DN 32, DIN 11866 row B             | 14158959        | 14159021        | 14159148        |
|  | 48.3 mm: DN 40, DIN 11866 row B             | 14158960        | 14159022        | 14159149        |
|  | 50.8 mm: 2", DIN 11866 row C / ASME-BPE     | 14158961        | 14159023        | 14159150        |
|  | 52.0 mm: DN 50, EN 10357 series B           | 14158962        | 14159024        | 14159151        |
|  | 53.0 mm: DN 50, EN 10357 series A           | 14158963        | 14159025        | 14159152        |
|  | 60.3 mm: DN 50, DIN 11866 row B             | 14148648        | 14148653        | 14148658        |
|  | 63.5 mm: 2 1/2", DIN 11866 row C / ASME-BPE | 14158970        | 14159087        | 14159168        |
|  | 70.0 mm: DN 65, EN 10357 series A           | 14148649        | 14148654        | 14148659        |
|  | 76.1 mm: DN 65, DIN 11866 row B             | 14158974        | 14159088        | 14159169        |
|  | 76.2 mm: 3", DIN 11866 row C / ASME-BPE     |                 |                 |                 |
|  | 85.0 mm: DN 80, EN 10357 series A           | 14158975        | 14159089        | 14159170        |
| 88.9 mm: DN 80, DIN 11866 row B          | 14158976                                    | 14159090        | 14159171        |                 |

Legend: available from stock in Germany available after production -- not available