



Compact thermometers | Available within a few days

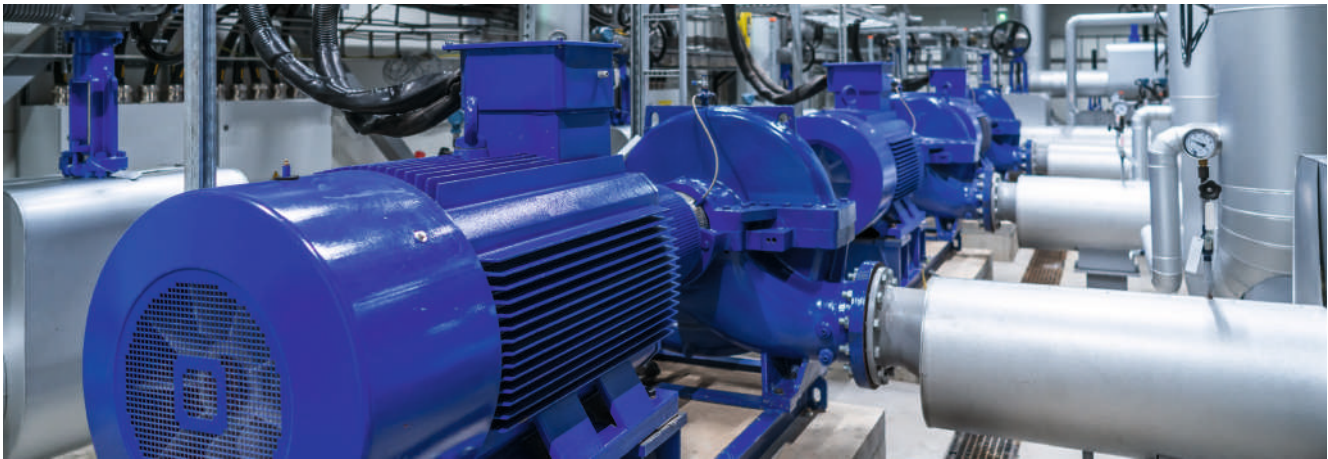
Resistance thermometers in miniature design



Smart in sensing

Compact and versatile

The TR33, TR34 and TR36 mini resistance thermometers are used as universal thermometers for the measurement of liquid and gaseous media in the range -50 ... +250 °C. The sensors fulfil accuracy class A in accordance with IEC 60751.



✓ Robust and high ingress protection

IP67 / IP69 – the IP protection is permanently guaranteed and independent of the installation.

The electrical connection is enclosed by a metal sealing face. With this, the penetration of moisture to the plug contacts via the connection cable is reliably prevented. This instrument design defies the most adverse conditions in operation of the plant, as well as during its cleaning.

✓ Quick and easy installation

Since the transmitter is already integrated, incorrect pin assignment is impossible. The thermometer connection is provided with a preassembled connection cable and plug – for simple, tool-free and time-saving electrical connection.

The resistance thermometer is available with direct sensor output or integrated transmitter, which can be configured individually via the WIKAsoft-TT PC configuration software.

✓ Low weight

Through the low mass of the measuring location, the vibration resistance is increased.

✓ Compact

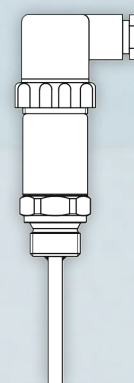
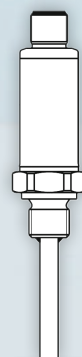
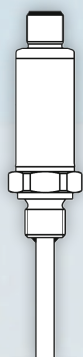
Thanks to their compact design, they can be installed quickly and easily, even in confined spaces.

✓ Stainless steel case

The mini thermometers already have a robust stainless steel case from the factory and are protected against corrosion.

The Mini can be so quick

The mini resistance thermometers are available immediately from stock or within a few days from production.



Specifications

	TR33	TR34	TR36
Measuring range	-50 ... +250 °C	-50 ... +250 °C	-50 ... +250 °C
Insertion length	50 ... 400 mm	50 ... 400 mm	50 ... 400 mm
Case diameter	19 mm	19 mm	27 mm
Electrical connection	Circular connector M12 x 1	Circular connector M12 x 1	Angular connector DIN EN 175301-803 form A
IP ingress protection per IEC / EN 60529)	IP67 / IP69	IP67 / IP69	IP65
Vibration resistance dependent on the instrument version	up to 20 g	up to 20 g	up to 8 g
Approvals	CSA, UL	Option: ATEX, IECEx, CSA, EAC, NEPSI, CCC	–

Mini resistance thermometers for hygienic applications



TR21-A



TR21-B



TR21-C

For every application, the right thermometer

In the WIKA product portfolio you will also find resistance thermometers with connected cable as well as versions with connection head. A temperature transmitter can be installed directly in the connection head. Furthermore, in addition to threaded resistance thermometers, flanged resistance thermometers or process resistance thermometers, you will also find the right measuring inserts for your application.



You can find the resistance thermometer product portfolio at www.wika.com/en-en/resistance_thermometers.WIKA



TR10-D



TR10-F



TR10-A



Smart in sensing

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