

Miniature resistance thermometer to screw-in

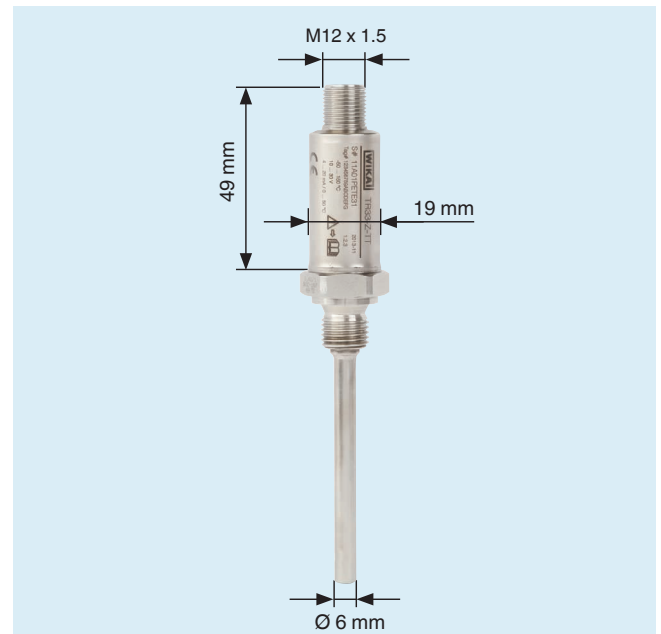
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**Applications**

- Machine building, plant and vessel construction
- Propulsion technology, hydraulics
- General applications

**Special features**

- Very compact design, high vibration resistance and fast response time
- With direct sensor output (Pt100, Pt1000 in 2-, 3- or 4-wire) or integrated transmitter with output signal 4 ... 20 mA
- Individually parameterisable for integrated transmitter with free PC configuration software WIKAssoft-TT
- Sensor element with accuracy class A per IEC 60751
- EMC conformity in accordance with NAMUR NE21



Order numbers				
Output signal		4 ... 20 mA, 2-wire		
Process temperature		-30 ... +150 °C		
Transmitter configuration		0 ... 150 °C		
Insertion length		50 mm	100 mm	150 mm
Process connection	G 1/4	14081672	14081675	14081676
	G 1/2	14081631	14081643	14081647
	1/4 NPT	14081679	14081682	14081685
	1/2 NPT	14081686	14081690	14081694

## Quick order code (for further possible variants see data sheet TE 60.33)

Field no.	Code	Version
<b>Approvals</b>		
	Z	without explosion protection
<b>Output signal</b>		
①	TT	4 ... 20 mA, 2-wire
	P3	Pt100 Class A (IEC 60751), 3-wire
	S2	Pt1000 Class A (IEC 60751), 2-wire
<b>Transmitter temperature units</b>		
②	Z	without
	C	Celsius
	F	Fahrenheit
<b>Process temperature</b>		
	L	-30 ... +150 °C (-22 ... +302 °F)
<b>Transmitter initial and final values</b>		
③	ZZZZ	without
	0150	0 ... 150 °C
	0302	32 ... 302 °F
<b>Process connection</b>		
④	11	Fixed threaded hex bushing G 1/4 B
	13	Fixed threaded hex bushing G 1/2 B
	14	Fixed threaded hex bushing 1/4 NPT
	15	Fixed threaded hex bushing 1/2 NPT
<b>Sensor diameter</b>		
	60	6 mm
<b>Insertion length</b>		
⑤	050	50 mm
	075	75 mm
	100	100 mm
	120	120 mm
	150	150 mm
	200	200 mm
	250	250 mm
	300	300 mm
	350	350 mm
	400	400 mm
<b>Neck length</b>		
	ZZZ	without
<b>Permissible ambient temperature</b>		
	F	-40 ... +85 °C (-40 ... +185 °F)
<b>Accessories electrical connections</b>		
⑥	ZZ	without
	E0	Adapter M12/DIN EN 175301-803 angular connector
<b>Tag-No./user message/M&amp;C description</b>		
	ZZZ	without
<b>Certificates/approvals</b>		
	ZZZ	without

Order code: TR33-Z- <sup>①</sup> - <sup>②</sup> L <sup>③</sup> - <sup>④</sup> 60 <sup>⑤</sup> -ZZZ-F <sup>⑥</sup> -ZZZ-ZZZ