

**Miniature Sanitary Temperature Transmitter**

**02/2017**

**Applications**

- Pharmaceutical
- Biotechnology
- Food & Beverage
- Cosmetics

**Special features**

- Compact design
- Simple and fast M12 x 1 electrical connection
- Pt100, Pt1000 or 4...20mA output signal
- Programmable configuration using free-of-charge WIKAsoft-TT PC software
- IP rating IP69K to accommodate autoclave sterilization (See Wika datasheet for additional details)



**TR21-A**  
Data Sheet, TE 60.26

**TR21-C**  
Data Sheet, TE 60.28

**Order numbers**

Process Connection Style		Tri-Clamp®					
Output Signal		4 ... 20 mA, 2-wire					
Temperature Range		0° ... +150°C					
Electrical Connection		M12 x 1, 4-pin					
Insertion Length		see below, to accommodate "short instrumentation Tee", per ASME BPE					
Insertion Probe Diameter		0.24 inches (6 mm)					
Thermowell		Included					
		Instrument Part Number	Tri-Clamp® Size	Insertion Length, Inches (mm)	Wetted Material	Certificates	Approvals
Model Type	TR21-A	52750901	3/4"	1.14" (29)	316L SS, electro-polished, Ra ≤ 15 µinch (0.38 µm)	3.1 MTR; 3.1 Calibration (3 pt; 0°C, +50°C & +100°C); 2.2 Surface finish	CSA/FM/IECEX/ATEX/3-A/EHEDG
		52750902	1.0"	1.14" (29)			
		52750904	1.5"	1.38" (35)			
		52750905	2.0"	1.65" (42)			
	TR21-A	52750891	3/4"	1.14" (29)	316L SS, Ra ≤ 15 µinch (0.38 µm)	None	3-A/EHEDG
		52750894	1.0"	1.14" (29)			
		52750895	1.5"	1.38" (35)			
		52751693	1.5"	2.88" (73)			
		52750897	2.0"	1.65" (42)			
	TR21-C	52750885	3/4"	1.14" (29)	316L SS, electro-polished, Ra ≤ 15 µinch (0.38 µm)	3.1 MTR; 3.1 Calibration (3 pt; 0°C, +50°C & +100°C); 2.2 Surface finish	CSA/FM/IECEX/ATEX/3-A/EHEDG
		52750888	1.0"	1.14" (29)			
		52750889	1.5"	1.38" (35)			
		52750890	2.0"	1.65" (42)			
	TR21-C	52750790	3/4"	1.14" (29)	316L SS, Ra ≤ 15 µinch (0.38 µm)	None	3-A/EHEDG
		52750794	1.0"	1.14" (29)			
		52750883	1.5"	1.38" (35)			
52751691		1.5"	2.88" (73)				
52750884		2.0"	1.65" (42)				
52751692		2.0"	3.38" (86)				

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

Inventory is available on the first order bases with limited quantities. Inventoried quantities will be adjusted to accommodate the incoming order rate.

For further information see data sheet TE 60.26, TE 60.28

Quick order code (you can find additional options in data sheet TE 60.26, TE 60.28)

Field no.	Code	Version
<b>Approvals</b>		
①	<b>Z</b>	without Approvals
	<b>B</b>	ATEX / IECEx Approval
	<b>W</b>	CSA / FM / ATEX / IECEx Approval
<b>High temperature range</b>		
②	<b>0100</b>	+100°C high end of temperature range
	<b>0150</b>	+150°C high end of temperature range
<b>Process connection</b>		
③	<b>3B</b>	3/4" Tri-Clamp process connection
	<b>3C</b>	1.0" Tri-Clamp process connection
	<b>3D</b>	1.5" Tri-Clamp process connection
	<b>3E</b>	2.0" Tri-Clamp process connection
<b>Wetted materials</b>		
④	<b>D</b>	Wetted material, 316L SS, Ra ≤ 30 µinch (0.76 µm)
	<b>4</b>	Wetted material, 316L SS, Ra ≤ 15 µinch (0.38 µm)
	<b>3</b>	Wetted material, 316L SS, electro-polished, Ra ≤ 15 µinch (0.38 µm)
<b>Insertion length</b>		
⑤	<b>XXXX</b>	Insertion length (millimeters), 4 digits [Ex.: 75mm = 0075]
<b>Certificates</b>		
⑥	<b>Z</b>	no certificates required
	<b>1</b>	Certificate(s) required, please define

Order code: TR21-A-<sup>①</sup>  TT-CL0000 <sup>②</sup>  1T <sup>③</sup>  6 <sup>④</sup>  <sup>⑤</sup>  06(WIKA defined, 8 digits) FZZ-Z <sup>⑥</sup>  Z2

Order code: TR21-C-<sup>①</sup>  TT-CL0000 <sup>②</sup>  1T <sup>③</sup>  6 <sup>④</sup>  <sup>⑤</sup>  06(WIKA defined, 8 digits) FZZ-Z <sup>⑥</sup>  Z2

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