

Small sensor. Serious temperature measurement.

Reliable results despite limited space

- Ideal for confined installation conditions and small pipe diameters
- 3 and 6 mm measuring tip for minimal pipe constriction
- High measuring accuracy and advanced diagnostics thanks to state-of-the-art software



ifm – close to you!

Measuring range	Probe diameter [mm]	Insertion depth [mm]	Process connection	Order no.
-10...150 °C	3	17	M12 x 1.5	TC1101
0...160 °C	3	17	M12 x 1.5	TC1102
0...100 °C	3	17	M12 x 1.5	TC1107
-10...150 °C	6	25	G½ sealing cone	TC2501
0...160 °C	6	25	G½ sealing cone	TC2502
0...100 °C	6	25	G½ sealing cone	TC2507
-10...150 °C	6	50	G½ sealing cone	TC2511
0...160 °C	6	50	G½ sealing cone	TC2512
0...100 °C	6	50	G½ sealing cone	TC2517

Space-saving without compromising performance

The compact temperature transmitter has been specially developed for applications with very limited installation space and small pipe diameters. Thanks to its significantly smaller stainless steel housing, this transmitter can easily be installed in even the most confined spaces.

The compact measuring tip minimises pipe constrictions and flow resistance, which is a decisive advantage for small pipe diameters. Special adapters ensure an optimum installation depth in pipes while allowing precise positioning of the measuring element without additional mechanical effort.

The sensor is complemented by modern software functions and a clearly visible status display via the LED dome. Featuring high measurement accuracy, IP69 protection and IO-Link, the sensor is a powerful solution for demanding applications – ranging from compact industrial plants in the food industry to cooling circuits in data centres.

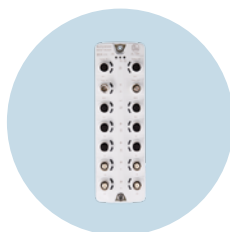
Technical data		
Operating voltage	[V DC]	18...32
Output function switching output	[mA]	4...20
Pressure rating	[bar]	100
Response time T05 / T09	[s]	0.5 / 1.5
Measuring range	[°C]	-25...160
Accuracy	[K]	± 0.2
Ambient temperature	[°C]	-25...80
Materials in contact with the medium		V4A (1.4404/316L)
Protection rating		IP67, IP68, IP69

BEST FRIENDS

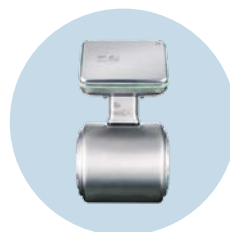
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PL15 pressure transmitter
Compact design for mobile and industrial applications



IO-Link master
Field-compatible masters for use in hygienic areas



Foodmag SMF150
One device covering various measured variables



For further technical details, please visit:
ifm.com/fs/TC1101