ifm electronic

Temperature transmitter with display and IO-Link

TOP PRODUCT

First transmitter with display and IO-Link for food applications

- ● **Bright 4-digit LED display for optimum readability**

- ● **Fast response time T05/09 = 1/3 s**

- ● **Pre-scaled measuring ranges, IO-Link 1.1 programmable**

- ● **Available in various probe lengths from 30...250 mm**

- ● **Hygienic and robust design: high-grade stainless steel (316L / 1.4404) and IP 69K**

TD temperature transmitters

The TD series temperature transmitters are distinguished by a compact, hygienic design with integrated process connections and a display for local indication of the temperature.

Easy installation and set-up

The integrated Tri-Clamp® and G1/2" process connections allow quick and easy installation. No complex set-up is required because the transmitters are supplied with a pre-scaled measuring range. For special applications the temperature range can be scaled via IO-Link 1.1.

Robust and durable

Protected to IP 69K standards and featuring a fully welded stainless steel housing, the transmitters are designed to operate in particularly harsh applications.

Nominal length	Order no. Factory setting	
[mm]	**0...100 °C**	**-10...150 °C**
Process connection 1.5" Tri-clamp • 3A, FDA		
30	**TD2807**	**TD2801**
50	**TD2817**	**TD2811**
100	**TD2837**	**TD2831**
150	**TD2847**	**TD2841**
Process connection 2" Tri-clamp • 3A, FDA		
30	**TD2907**	**TD2901**
50	**TD2917**	**TD2911**
100	**TD2937**	**TD2931**
150	**TD2947**	**TD2941**
Process connection G 1/2 BSPP hygienic • EHEDG, FDA		
30	**TD2507**	**TD2501**
50	**TD2517**	**TD2511**
100	**TD2537**	**TD2531**
150	**TD2547**	**TD2541**
Process connection Ø 6 mm • EHEDG, FDA		
50	**TD2217**	**TD2211**
100	**TD2237**	**TD2231**
150	**TD2247**	**TD2241**
250	**TD2267**	**TD2261**

Accessories

Type	Description	Order no.
	IO-Link interface for parameter setting and analysis of units with DTM specification, current consumption via USB port: max. 500 mA	**E30396**
	Memory plug, parameter memory for IO-Link sensors	**E30398**
	LINERECORDER SENSOR, software for parameter setting and set-up of IO-Link sensors	**ZGS210**

Connection technology

Type	Description	Order no.
	Socket, M12, 4-pole, 5 m orange, PVC cable	**EVT001**
	Socket, M12, 4-pole, 2 m orange, PVC cable	**EVT064**
	Socket, M12, 4-pole, 5 m orange, PVC cable	**EVT004**
	Socket, M12, 4-pole, 2 m orange, PVC cable	**EVT067**

Further technical data		
Operating voltage	[V DC]	18...32
Accuracy analogue output	[K]	± 0.3 + (± 0.1 % MS)
Ambient temperature	[°C]	-25...80
Maximum measuring range	[°C]	-50...150
Programmable		IO-Link
Housing material		high-grade stainless steel (1.4404 / 316L) fully welded
Protection		IP 69K
Dynamic response	[s]	1/3 (to DIN EN 60751)

Accessories

Type	Description	Order no.
	Welding adapter ball, G 1/2	**E30055**
	Welding adapter collar, G 1/2	**E30056**
	Pipe fitting, G1/2 – DN25 SMS, high-grade stainless steel (1.4404 / 316L)	**E33430**
	Pipe fitting, G 1/2 I – DIN 11851 DN25	**E43304**
	Pipe fitting, G 1/2 I – DIN 11851 DN40	**E43305**
	Clamp adapter, G 1/2 I – Varivent D50	**E43306**
	Clamp adapter, G 1/2 I – Varivent D68	**E43307**
	Sealing plug, G1/2, high-grade stainless steel (1.4435 / 316L)	**E43308**
	Welding adapter, G 1/2, high-grade stainless steel (1.4435 / 316L)	**E43319**
	Welding adapter, 6 mm, high-grade stainless steel (1.4435 / 316L)	**E30407**