

**Product Information**

**Sensors and Instrumentation**

# Flow Switch / Indicator TX-...FT

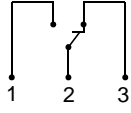


- Monitor and display
- Media temperature up to 350 °C
- Highly reproducible
- Insensitive to dirt
- DIN flange housing

**Characteristics**

The volume flow raises a disc unit with tappet rod and magnet against a spring force. This actuates a hermetically separated micro switch and a hermetically separated display

**Technical data**

<b>Switch</b>	micro switch	
<b>Nominal width</b>	DN 15..200	
<b>Process connection</b>	flange DIN 2545 PN 40	
<b>Switching range</b>	2..1250 l/min	for details see table "Ranges"
<b>Q<sub>max.</sub></b>	to 4,000 l/min	
<b>Tolerance</b>	±5 % of full scale value	
<b>Pressure resistance</b>	PN 40 bar /20°C fore more informations see "Handling and operation"	
<b>Medium temperature</b>	-20..+350 °C	
<b>Ambient temperature</b>	-20..+70 °C	
<b>Media</b>	water (oils available on request)	
<b>Wiring</b>	changeover no. 0.213	
<b>Switching voltage</b>	max. 250 V AC	
<b>Switching current</b>	max. 6 A	
<b>Protection class</b>	2 - safety insulation	
<b>Ingress protection</b>	IP 44	
<b>Connection</b>	plug DIN 43650-A / ISO 4400 or cable screw gland with 2.5 m cable	
<b>Materials medium-contact</b>	cast steel GGS 25, 1.4571, 1.4301, 1.4305, 1.4310, Sigraflex V20011Z3l, hard ferrite, FKM	
<b>Non-medium-contact materials</b>	Acrylic (XT), PA, POM, CW614N nickelled, steel coated with Rilsan	

<b>Weight</b>	see table "Dimensions and weights"
<b>Installation location</b>	Standard: horizontal inwards flow; switching head not recommended underneath; other installation positions are possible; the installation position affects the switching point and display range.

**Ranges**

Details in the table correspond to horizontal inwards flow with decreasing flow rate.

Nominal width	Switching range l/min H2O	Q <sub>max.</sub> recommended	Type
			DN 15
DN 20	4 - 20	30	TX-015FT0020
	10 - 40	40	TX-020FT0020
DN 25		20 - 60	55
	60		TX-025FT0040
DN 32	30 - 100	80	TX-025FT0060
		100	TX-032FT0060
DN 40	50 - 200	135	TX-032FT0100
		150	TX-040FT0100
DN 50	100 - 250	270	TX-040FT0200
		340	TX-050FT0200
DN 65	150 - 300	400	TX-050FT0250
		600	TX-065FT0250
DN 80	300 - 450	600	TX-065FT0300
		950	TX-080FT0300
DN 100	200 - 400	950	TX-080FT0450
		2000	TX-100FT0400
DN 150	600 - 750	2000	TX-100FT0500
			700 - 950
DN 200	850 - 1050	4000	TX-150FT0950
			1050 - 1250
			TX-200FT1250

Special ranges are available

**Dimensions and weights**

DN	Types	H	L	D	k	d	Weight kg
15	TX-015FT	370	130	95	65	4 x 14	6.0
20	TX-020FT		150	105	75		6.5
25	TX-025FT	380	160	115	85		8.5
32	TX-032FT		180	140	100	4 x 18	10.5
40	TX-040FT	390	200	150	110		13.0
50	TX-050FT		230	165	125	8 x 18	15.5
65	TX-065FT	410	290	185	145		25.5
80	TX-080FT	430	310	200	160		31.0
100	TX-100FT	450	350	235	190	8 x 22	38.0
150	TX-150FT	510	480	300	250	8 x 26	87.0
200	TX-200FT	580	600	375	320	12 x 30	154.0

