

Type TF 53

basic @ temp

Temperature sensor without thread, pluggable with LED display and clamped bolting

Basic Features

- ▶ Variable depth of sensor immersion
- ▶ Aseptic measuring point
- ▶ With bright 4-digit LED-Display for optimal readability
- ▶ Wetting parts made of high-grade steel no. 1.4404
- ▶ FDA, EHEDG-conformal

Technical Features

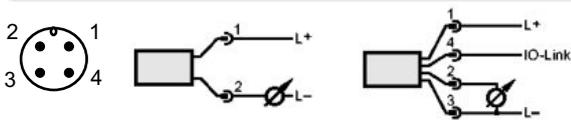
- ▶ Analogous output 4...20 mA
- ▶ Measuring element 1 xPt1000, Kl. A acc. DIN EN 60751
- ▶ Sensor lengths from 50 mm up to 250 mm
- ▶ Measuring range -50...150 °C
- ▶ Factory setting: 0...100°C
- ▶ High-grade steel connecting with M12-plug
- ▶ Adaptable to various clamped boltings
- ▶ Schutzart IP69K
- ▶ Protective tube Ø 6 mm



Favoured fields of application are e.g.:

- ▶ Temperature measuring in process engineering
- ▶ Temperature measuring in the food industry

Pin Configuration



1 (BN) +VDC

2 (WH) Analogue signal for temperature

3 (BU) GND

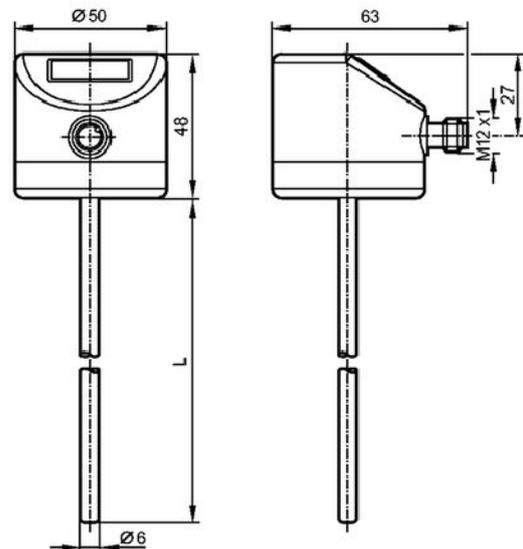
4 (BK) IO-Link

The transmitter will be delivered with a preset measuring range, an inconvenient configuration is not required. For special applications the temperature range may be scaled.

Bestellcode TF 53

High Grade Steel Head	TF 53	-	-	-	-
With M12-plug	6				
Installation length					
30 mm		A			
50 mm		B			
100 mm		C			
150 mm		E			
Sensortype and tolerance					
1xPT1000 class A			3	A	
Output signal					
Additional name for transducer Output 4-20 mA					
Specification of the temperature range					

Dimensioned Drawing



Example of clamp connections



VAPE 25/6

VATE 1/46

VATE 1/26

See data sheet process connections
modular @ process

Stand: 10/2016