

Type TF 47

basic @ temp

Temperature Sensor

Basic features

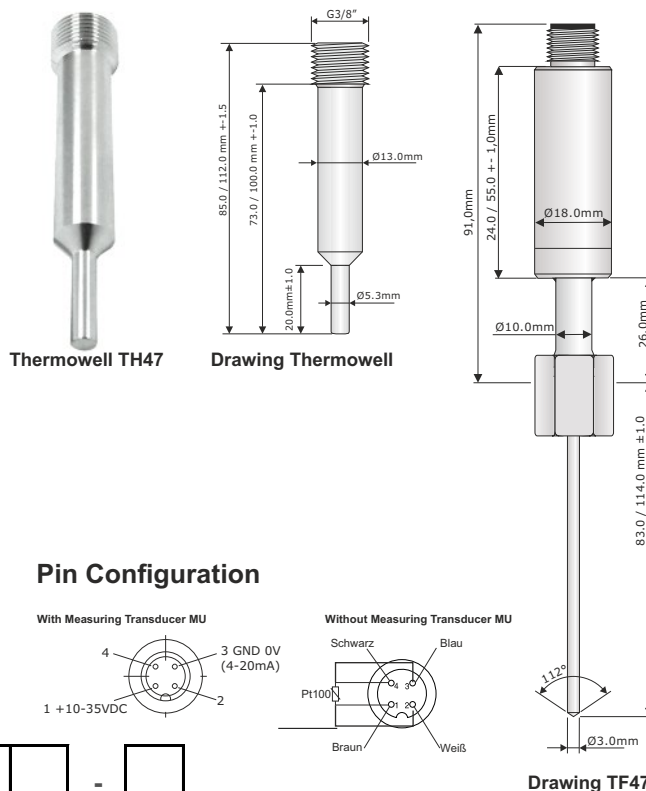
- ▶ Aseptic measuring point
- ▶ Sealed to the process
- ▶ With measuring transducer 4...20 mA optional
- ▶ FDA, EHEDG-conformal
- ▶ Sensor made of Nr. 1.4301

Technical features

- ▶ 1 xPt100 class A
- ▶ Process connection: Thermowell with 3/8" screwcap
- ▶ Standard-Temp.range -10 ... +150°C
- ▶ Perm. temp. max electronics up to 70°C
- ▶ Connection with M12-plug
- ▶ Measuring Tube: DA=3,00mm, EL 85,0 mm
- ▶ Thread: G3/8" Wrench Size 19
- ▶ Material : **G3/8" Screw and protective tube:**
1.4404/1.4301/1.4305
Housing 1.4301/1.4305
- ▶ Accuracy MU: max. +- 0,2 off final value
- ▶ Prozess pressure, 170 bar at 20°C,
130 bar bei 150°C
- ▶ Supply voltages: 10...35V (DC)
- ▶ Output 4...20mA, two-wire
- ▶ Protection class IP 69K
- ▶ Thermowell:
Material 1.4404
Temperature range -100...+250°C
Connection thread 3/8"

Favoured fields of application are e.g.:

- ▶ Temperature measuring in the food industry



TF 47 -

High grade steel connecting head					
With M12-Plug	1	1			
Fitting length					
83 mm for Thermowell 73 mm			A		
114 mm für Thermowell 100 mm			B		
Type of sensor and tolerance					
1xPT100 class A			1	A	
1xPT100 1/3 DIN			1	C	
Output signal					MU2
Additional name for transducer Output 4-20 mA					
Specification of the temperature range					

Accessories

Thermowell for TF47 High grade steel
with Ø 3 mm 73 mm
100 mm

TH 47 -

A
B