

# Temperature Sensor

## Type TF 47

## basic @ temp

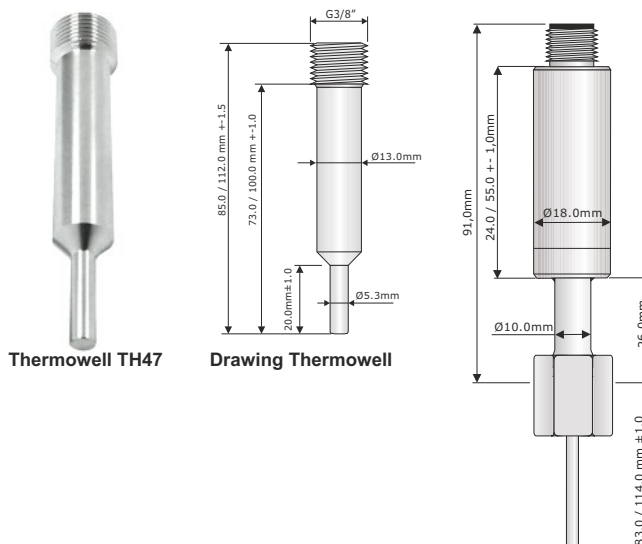
### Temperature Sensor

#### Basic features

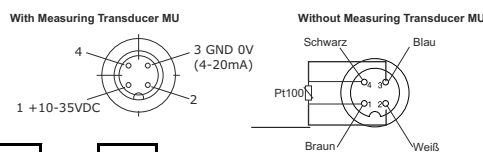
- ▶ Aseptic measuring point
- ▶ Sealed to the process
- ▶ With measuring transducer 4...20 mA optional
- ▶ FDA, EHEDG-conformal
- ▶ Sensor made of Nr. 1.4301

#### 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
- ▶ Process 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"



#### Pin Configuration



#### 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										
Additional name for transducer Output 4-20 mA										MU2
Specification of the temperature range										

#### Accessories

Thermowell for TF47 High grade steel	TH 47 -	
with Ø 3 mm		A
73 mm		B
100 mm		

Drawing TF47