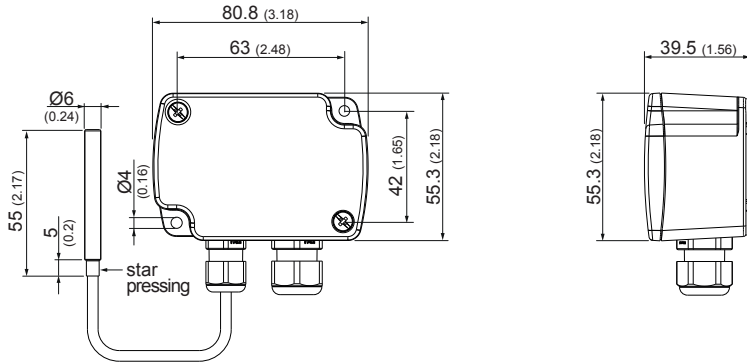




## Dimensions in mm (inch)

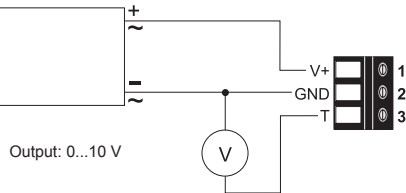


## Connection Diagram

### Active output

#### EE441-T3xx

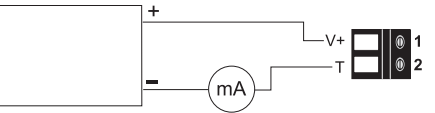
power supply  
15...35 V DC  
24 V AC  $\pm 20\%$



Output: 0...10 V

#### EE441-T6xx

power supply  
20...35 V DC  $R_L < 500 \Omega$   
11...35 V DC  $R_L < 50 \Omega$



Output: 4...20 mA

### Passive output

#### EE441-Txx



## Ordering Guide

MODEL	ANALOGUE OUTPUT	T-SENSOR PASSIVE <sup>1)</sup>	CABLE MATERIAL	CABLE LENGTH	HOUSING	DESIGN
Temperature (T)	0-10 V (3x) 4-20 mA (6x) none (xx)	Pt100 DIN B (B) Pt1000 DIN B (D) NTC10k (L) NTC1.8k (G) Ni1000 TK6180 DIN B (J) Ni1000 TK5000 DIN B (T) Active output (x)	PVC (A)	0.5 m (1.6 ft) (A) 2 m (6.6 ft) (D) 3 m (9.8 ft) (E)	Standard (P)	Standard (O)
<b>EE471-</b>						

1) not relevant for active (analogue) output

### Setup analogue outputs

SCALING <sup>2)</sup>	UNIT
-40...60 (002)	metric (M)
-20...80 (024)	non-metric (N)
0...50 (004)	
0...100 (005)	
32...212 (075)	
-40...140 (083)	

2) other scaling upon request

## Order Example

### Passive Output

#### EE471-TxxDADPO

Model: Temperature  
T-Sensor passive: Pt1000 DIN B  
Cable Material: PVC  
Cable Length: 2 m (6.6 ft)  
Housing: Standard  
Design: Standard

### Active Output

#### EE471-T3xxAEPO/024M

Model: Temperature  
Analogue Output: 0-10 V  
Cable Material: PVC  
Cable Length: 3 m (9.8 ft)  
Housing: Standard  
Design: Standard  
Scaling: -20...80 °C  
Unit: metric

## Accessories

Product configuration adapter	see data sheet EE-PCA
Product configuration software	EE-PCS (free download: <a href="http://www.epluse.com/configurator">www.epluse.com/configurator</a> )
Power supply adapter	V03 (see data sheet Accessories)
Conduit adapter, M16x1.5 to 1/2"	HA011110

## Mounting

### Immersion well - Thread: R 1/2" ISO

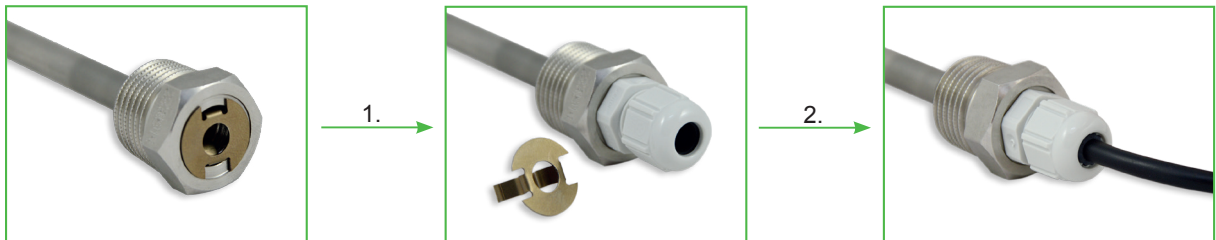
Length	50 mm (1.97 ")	135 mm (5.31 ")	285 mm (11.22 ")
brass	HA400101	HA400102	HA400103
stainless steel	HA400201	HA400202	HA400203

### Immersion well - Thread: 1/2" NPT

Length	50 mm (1.97 ")	135 mm (5.31 ")	285 mm (11.22 ")
brass	HA400111	HA400112	HA400113
stainless steel	HA400211	HA400212	HA400213

For further information please see datasheet EE431.

### Mounting with immersion well:



1. The spring inside the well must be removed and replaced by a standard M12x1.5 cable gland (not included in the scope of supply).
2. Insert the remonte cable sensor and fix it by fastening the cable gland.

Please observe the operating temperature range of the cable gland!

**Cable gland** (M12x1.5, -40 °C...+100 °C / -40 °F... +212 °F, UL94-V0) **HA403101**

**Hose clamp** (for pipe mounting of remote probe) **HA402101**  
 For further information please see datasheet EE441.

## Additional Information

### Wire Resistance / Temperature Offset

(Only relevant for passive output!)

Cable length	Wire resistance	Temperature offset for Pt100 <sup>*)</sup>
0.5 m (1.64 ft)	0.124 Ω	0.32 °C (32.576 °F)
2 m (6.56 ft)	0.364 Ω	0.93 °C (33.674 °F)
3 m (9.84 ft)	0.520 Ω	1.33 °C (34.394 °F)

\*) For high-resistance T-sensors (R ≥ 1000 Ω) the temperature offset is negligible.