

GLÖTZL Baumeßtechnik

ELECTRIC TEMPERATURE TRANSDUCER

Type: T . .
Art. No.: 67.01

The temperature sensors TAD and TAD-E contain an electronic circuit supplying an electric current which is proportional to the absolute temperature. The sensors are very robust and suitable for an application under rough conditions. According to temperature range and required accuracy, the sensor TAD can be used, for higher requirements the sensor TAD-E is more suitable.

For applications in an extended temperature range, a special cable is required.



Figure: Temperature transducer in standard housing and press-in housing

Besides the standard version, the sensors are also available as special models which are suitable for pressing into the underground.

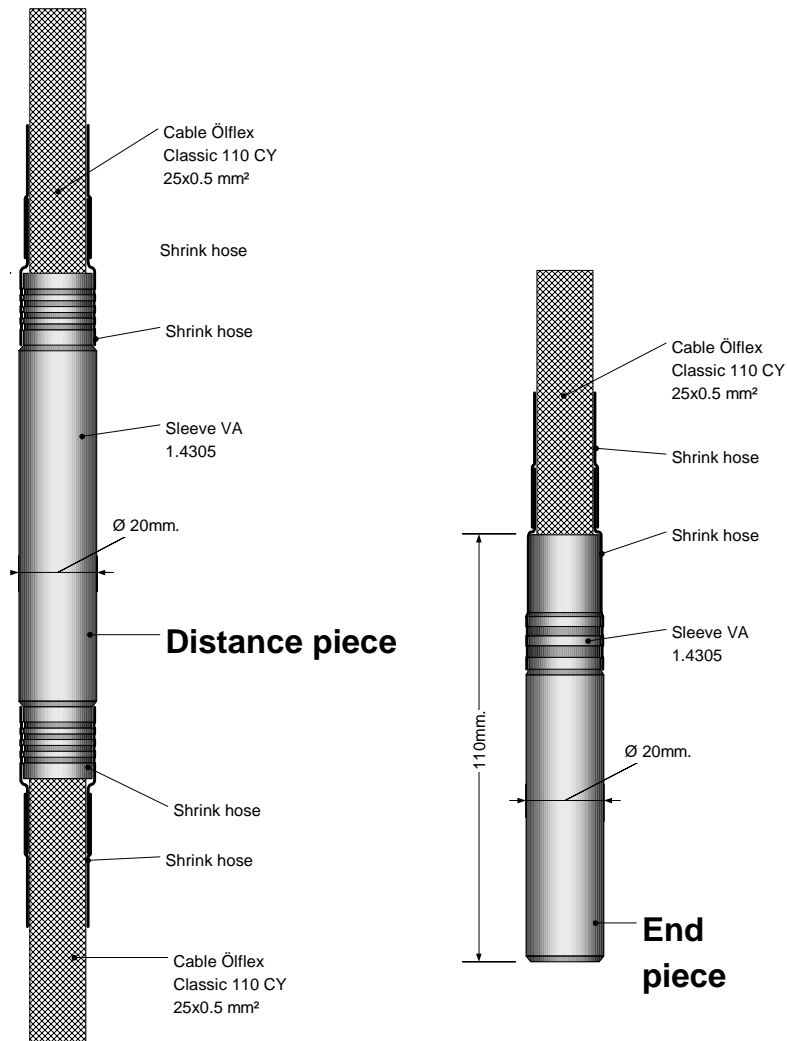
Either the FMG 01-2, or the multimeter VMG 14.1. can be used for manual reading of single measuring points. The necessary supply for the temperature sensors is placed in the measuring instruments.

Type codes:

TAD	Sensor AD590 with 2-conductor system, IC temperature sensor
TTE	Thermistor with 2-conductor system, NTC resistance
TPS	PT100 with 4-conductor system, temperature-dependent resistance
TPH	PT1000 with 4-conductor system, temperature-dependent resistance
- B	DIN B model
- A	DIN A model
Option:	
- 4-20 mA	Converter with current output 2-conductor system
- E	Sensor with extended temperature range
- P	Sensor to press in, connection thread R ¼"
- EP	Sensor to press in, extended temperature range, connection thread R ¼"
	High-temperature cable for sensors -60 °C up to +180 °C
Accessories:	Readout unit VMG 14 or field measuring device FMG 01-2

ELECTRIC TEMPERATURE TRANSDUCER for MEASURING CHAINS

Type: T...
Art. No.: 67.11



Technical data	AD590 (TAD)	Thermistor (TTE)	PT100 (TPS)	PT1000 (TPH)
Temp. application range	-25 °C up to +70 °C	-25 °C up to +70 °C	-25 °C up to +70 °C	-25 °C up to +70 °C
Temperature error at 0°/25°	± 1 K at 25°C	0.2 K at 0 °C	±0.3 K at 0 °C	±0.3 K at 0 °C
Temperature error at 70°/100°	± 3 K at 100 °C	0.2 K at 70 °C	±0.8 K at 0 °C	±0.8 K at 100 °C
Nominal resistance	-	3 kΩ at 25 °C	100Ω at 0 °C	1000Ω at 0 °C
Supply	6 up to 30 V _{DC}	0.1 mA	1 mA	1 mA
Output signal	1 μA/K	ΔR	0.385 Ω/K	3.5 Ω/K
Line system	2-conductor	2-conductor	4-conductor	4-conductor

Subject to technical alterations

GLÖTZL Gesellschaft für Baumeßtechnik mbH · Forlenweg 11 · 76287 Rheinstetten · Germany
 ☎ +49 (0)721 51 66 - 0 · 📠 +49 (0)721 51 66 - 30 · 🌐 <http://www.gloetzl.com> · ✉ info@gloetzl.com