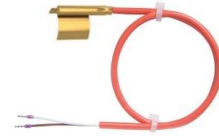


The TPS2- Series (T) is designed to measure temperature on pipe surfaces



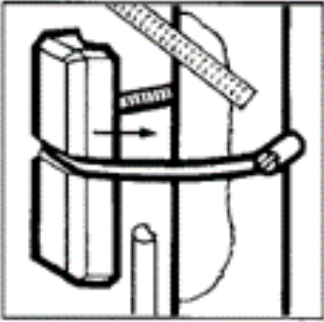


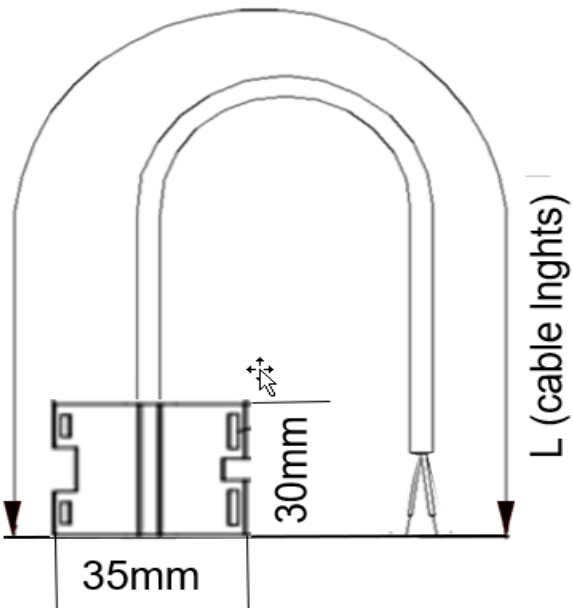
Several cable lengths are available

The sensor output is passive



Sensor Specification	Sensor Specification Sensor Characteristics Sensor Output (s) Measuring Current Accuracy Type PT Type NTC LG-Type NI1000 Measuring Range (s)	Measured Passive NTC, PT, NI1000 <1mA ± 0.3K @ 0°C DIN EN 60751, class B ± 0.3K @ 25°C ± 0.4K @ 0°C DIN EN 43760, class B -50°C...+150°C	Temperature Passive NTC, PT, NI1000 <1mA ± 0.3K @ 0°C DIN EN 60751, class B ± 0.3K @ 25°C ± 0.4K @ 0°C DIN EN 43760, class B -50°C...+150°C
Technical Information	Electrical Information Mechanical Information User Interface Color and Materials Environmental Conditions Norms and Directives	Voltage Rating Dielectric Resistant Core Wire Resistance Spark Test Cable Jacket Diameter Cable Jacket Thickness Core wire Diameter Core wire Thickness Core wire Construction Temperature Rating Deformation Strength Tensile Strengths Sensing Element Position Cable End n/A Sensor Pocket Sensor Pocket Shield Cable Jacket Color Core wire Material Core wire Color Operation Temperature Operation Humidity Transport Temperature Transport Humidity Storage Temperature Storage Humidity IP- Rating Safety Class Product Standard 1 RoHS Compatibility Operation Climatic Condition Operation Mechanical Condition Transport to Climatic Condition Transport Mechanical Condition Storage Climatic Condition Storage Mechanical Condition	300V 1750V/90sec. <95Ω/km @20°C 3000V @ 0.15sec. ø 4.85mm ±0.15mm 1.35mm ±0.5mm 0.51mm ² (AWG24) 0.115mm ±0.5mm Stranded, 7 / ø0.20mm ±0.005mm -50...250°C Shore3 >0.353kg/mm ² Top of the sensor pocket Cable end sleeves US:AISI 304; EU: EN X 6 CrNi 18 10; GER: W.N. 1.301 Copper RAL3001 (Signal Red) Silicon Brown / White -25°C...+70°C 100% r.h., with condensation -35°C...+70°C < 90% r.h. -10°C...+70°C < 85% r.h., no condensation IP65 to IEC60529 III to EN 60 730 Automatic Electric. Controls for household and similar use RoHS 3, Directive 2015/863 IEC 60 721-3-3 IEC 60 721-3-2 to class2M2 IEC 60 721-3-2 IEC 60 721-3-2 to class2M2 IEC 60 721-3-1 IEC 60 721-3-1 to class2M2

Product Range							
	Order Code	Sensor	Cable Lengths	Sensor Housing	Measuring Range	Protection	Cable Temperature Rating
	TPS2.BF	PT100	1m cable	Copper plate (30x34mm, R=23mm)	-50...150°C	IP65 to IEC60529	-50...250°C
	TPS2.BG	PT1000					
	TPS2.BP	NTC10K					
	TPS2.BQ	NTC10k Pre					
	TPS2.BR	NTC20k					
	TPS2.BL	LG-NI1000					
	TPS2.CF	PT100	2m Cable				
	TPS2.CG	PT1000					
	TPS2.CP	NTC10K					
	TPS2.CQ	NTC10k Pre					
	TPS2.CR	NTC20k					
	TPS2.CL	LG-NI1000					

	<p>Security Advice Observe the following general regulation for engineering and implementation:</p>  <ul style="list-style-type: none"> All relevant national and heavy power regulations Other country specific regulations Country-specific regulations Local electrical supply authority regulation Schematics, cable listings, dispositions, specification and arrangements from the customer or engineering office in charge Third party specifications, e.g. general contractors or constructors
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Advices</p>	<p>Mounting Advices</p>  
	<p>Disposal Notes</p>  <p>The device is considered an electronic device for disposal in terms of the EUROPEAN DIRECTIVE 2012/19/EU.</p> <p>The Device may not be disposed as domestic garbage.</p> <p>The device must be disposed through channels provided for this purpose.</p> <p>It is mandatory to complying with local currently applying laws and regulations.</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Connection</p>	
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Dimensional Drawing</p>	 <p style="text-align: right;">Fastener Strap L=2</p> 