



The TUU2-Series (T) is designed to measure temperature for universal use

Temperature measurement in air and water applications

The sensor is suitable in high temperature environments

The sensor output is passive



Use

Compatible to common HVAC DDC and Analog Controls systems, with/without Building Automation System

Used in all common HVAC applications

Used in Commercial and Industrial Buildings

Features

Sensor with passive output

All Sensors with outstanding accuracy

Different pocket and cable length for all common HVAC applications

High performance, silicon cables

Professional and practical product design, withstands rough environmental conditions

Easy to use, install and maintain



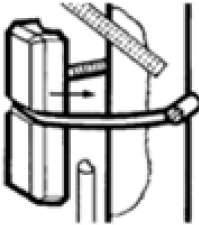
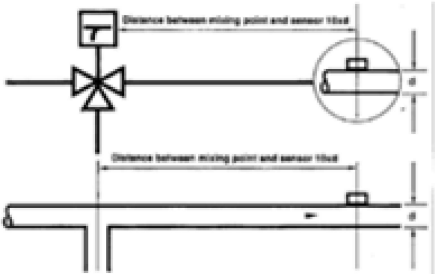

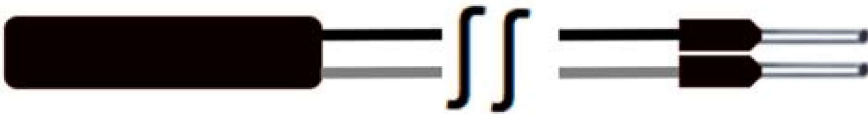
Product Range

Order Code	Sensor Output	Sensor Accuracy	Cable Length	Measuring Range	Cable Rating	Pocket	IP Rating
TUU2G.BG	PT1000	$\pm 0.15\text{ }^{\circ}\text{C @ } 0\text{ }^{\circ}\text{C}$ DIN EN 60751, class A	2 m	$-50\text{ }^{\circ}\text{C}$ to $+50\text{ }^{\circ}\text{C}$	$-60\text{ }^{\circ}\text{C}$ to $+200\text{ }^{\circ}\text{C}$	SS304 $\varnothing 6\text{ mm} \times 50\text{ mm}$	IP65 to IEC60529
TUU2G.BP	NTC10k	$\pm 0.25\text{ }^{\circ}\text{C @ } 25\text{ }^{\circ}\text{C}$					

*Other sensing elements, cable lengths or pocket dimensions are available. Contact your Sales Manager for more information.

Sensor Specification	Sensor Specification	Measured	Temperature
		Sensor Characteristics	Passive
		Sensor Output (s)	PT, NTC
		Measuring Current	<1 mA
		Accuracy	
		PT	±0.15 °C @ 0 °C DIN EN 60751, class A
		NTC	±0.25 °C @ 25 °C
		Measuring Range (s)	-50 °C to +150 °C
Technical Information	Electrical Information	N/A	
	Mechanical Information	Sensor Pocket Diameter	Ø6 mm
		Sensor Pocket Length	50 mm
		Cable Length	2 m
		Cable Lead Diameter	Ø0.25 mm
		Cable Diameter	Ø4.60 mm ±0.10 mm
		Cable Temperature Rating	-60 °C to +200 °C
		Sensing Element Position	Top of the sensor pocket
	Materials and Colours	Sensor Pocket	US:AISI 304; EU: EN X 6 CrNi 18 10; GER: W.N. 1.301
		Cable	Red Silicon, RAL 3001 (Signal Red)
	Environmental Conditions	Operation Temperature	-25 °C to +100 °C
		Operation Humidity	100 % RH, with condensation
		Transport Temperature	-35 °C to +70 °C
		Transport Humidity	<90 % RH
		Storage Temperature	-10 °C to +70 °C
		Storage Humidity	<85 % RH, no condensation
	Norms and Directives	IP-Rating	IP65 to IEC60529
		Product Safety	Safety class III, in accord. with EN IEC 60730-1
		Product Standard	Automatic electrical controls for household and similar use in accordance with EN IEC 60730-1:2022
		RoHS Compliance, in accordance with	Directive 2011/65/EU, as amended by (EU) 2015/863
		Operation Climatic Condition	IEC 60 721-3-3
		Operation Climatic Condition	IEC 60 721-3-3
		Operation Mechanical Condition	IEC 60 721-3-2 to class2M2
		Transport to Climatic Condition	IEC 60 721-3-2
		Transport Mechanical Condition	IEC 60 721-3-2 to class2M2
		Storage Climatic Condition	IEC 60 721-3-1
		Storage Mechanical Condition	IEC 60 721-3-1 to class2M2
Miscellaneous	Accessories	N/A	
	Shipping & Handling	Minimum Order	1 box with 10 pieces
		Package Material	Rigid cardboards packaging
	Order Notes	Order Code	See product range, page 1, e.g. TUU2G.BG

All Information and technical data are subject to alteration

	<div> <div>Installation Notes</div> <div>  </div> <div> <p>Observe the following general regulation for engineering and installation:</p> <p>All relevant national and local electrical installation codes</p> <p>Other country-specific regulations</p> <p>Comply with all local safety regulations, schematics, cable listings, dispositions, specifications, and arrangements from the engineering office in charge</p> <p>Third-party specifications, e.g., general contractors' or constructors' notes</p> </div> </div>
<div> <div>Advices</div> <div>  </div> </div>	<div> <div>Mounting Advices</div> <div>   </div> </div>
	<div> <div>Disposal Notes</div> <div>  </div> <div> <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 comply with local currently applying laws and regulations</p> </div> </div>
<div> <div>Connection</div> </div>	
<div> <div>Dimensional Drawing</div> </div>	