



TI650en

Technical Information**thermokon**
asia pacific**TUU2- Series (T)****Universal Temperature Sensor
with Passive Output**

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

The sensor can be used for air temperature or water temperature measurements

The sensor is suitable in high temperature environments

The sensor output is passive

**Use**

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

Universal temperature measurement in air and water applications

Used in all common HVAC applications

Used in Commercial and Industrial Buildings

Features

Sensor with passive output

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	Measuring range	Cable length	Cable rating	Pocket dimensions	IP Rating
TUU2.AF	PT100	-50...150°C	1m	-50°C...+200°C	SS304, Ø6x50mm	IP65
TUU2.AG	PT1000					
TUU2.AP	NTC10k					
TUU2.AQ	NTC10k Pre					
TUU2.AR	NTC20k					
TUU2.AL	LG-NI1000					
TUU2.BF	PT100					
TUU2.BG	PT1000		2m			
TUU2.BP	NTC10k					
TUU2.BQ	NTC10k Pre					
TUU2.BR	NTC20k					
TUU2.BL	LG-NI1000					

other cable lengths or pocket dimensions available

All Information and technical data are subject to alteration

Sensor Specification	Sensor Specification	Measured	Temperature
		Sensor Characteristics	Passive
		Sensor Output (s)	See Product Range, Page 1
		Measuring Current	<1mA
		Accuracy	
		Sensor PT100 / PT1000	± 0.3K @ 0°C DIN EN 60751, class B
		Sensor NTC	± 0.3K @ 25°C
		Sensor LG-NI1000	± 0.4K @ 0°C DIN EN 43760, class B
	Measuring Range (s)	-50°C...+150°C	
Technical Information	Electrical Information	n/a	
	Mechanical Information	Sensor Pocket Diameter	Ø6mm
		Sensor Pocket Length	50mm
		Cable Length	1m / 2m
		Cable Lead Diameter	Ø0.25mm
		Cable Diameter	4.6mm
		Cable Temperature Rating	-50°C...+200°C
		Sensing Element Pos	Top of the sensor pocket
	User Interface	None	
	Color and Materials	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...+100°C
		Operation Humidity	100% r.h., with condensation
		Transport Temperature	-35°C...+70°C
		Transport Humidity	< 90% r.h.
		Storage Temperature	-10°C...+70°C
		Storage Humidity	< 85% r.h., no condensation
		Norms and Directives	IP- Rating
	Safety Class		III to EN 60 730
	Product Standard 1		Automatic Electric. Controls for household and similar use
RoHS Compatibility	RoHS 3, Directive 2015/863		
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	None	
	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. TUU2.

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Security Advice

Observe the following general regulation for engineering and implementation:



All relevant national and heavy power regulations

Other country specific regulations

Country-specific regulations

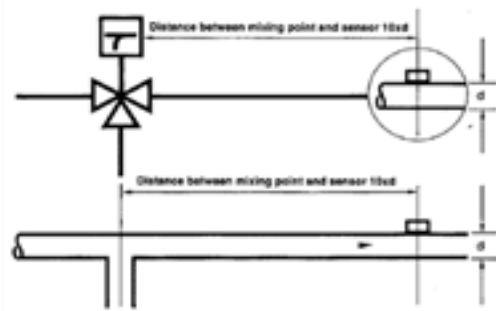
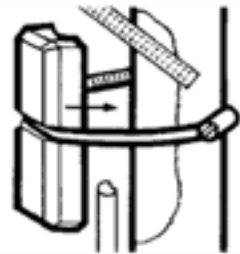
Local electrical supply authority regulation

Schematics, cable listings, dispositions, specification and arrangements from the customer or engineering office in charge

Third party specifications, e.g. general contractors or constructors

Advices

Mounting Advices



Disposal Notes

The device is considered an electronic device for disposal in terms of the EUROPEAN DIRECTIVE 2012/19/EU.

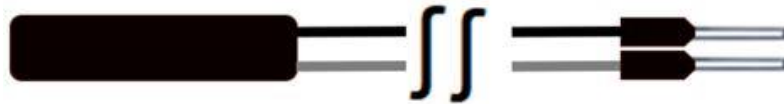


The device may not be disposed as domestic garbage.

The device must be disposed through channels provided for this purpose.

It is mandatory to complying with local currently applying laws and regulations.

Connection



Dimensional Drawing

