

KTS130

Temperature Sensor



Description

KTS130 series bundled sensor is a low-cost temperature sensor specially designed for pipeline surface temperature measurement. It is suitable for temperature measurement in various applications.

Features

- Range from -40 to +200°C
- Passive resistance output
- Standard accuracy see date sheet
- Protection class: IP65 / NEMA 4

Applications

KTS130 temperature transmitter used for temperature measurement in heating, ventilation and air conditioning systems enabling weather-dependent temperature regulation.



Technical Data

Model	KTS130
Temperature sensitive element	PT100 Class A Accuracy $\pm(0.15+0.002t)$
	PT 1000 Class A Accuracy $\pm(0.15+0.002t)$
	NTC 10k B3950 Accuracy B:3989K \pm 1%
	NTC 10k B3435 Accuracy B:3435K \pm 1%
	NTC 1k Accuracy B:3500K \pm 1%
	NTC 2k Accuracy B:3977K \pm 0.3%
Response time	<1min
Element connection	2-wire
Media	Air or liquid
Operating temp	-40 ... +70°C
Storage temp	-30 ... +70°C
Measuring range	-40 ... +200°C
Housing material	PC & ABS, UL94-V0
Protection	IP65/NEMA 4
Cable gland	M16*1.5

Notes On Disposal



Most Keram Controls products may contain valuable materials that should be recycled rather than treated as domestic waste. Please pay attention to the relevant regulations of local disposal.

Product Certification



Declaration of conformity

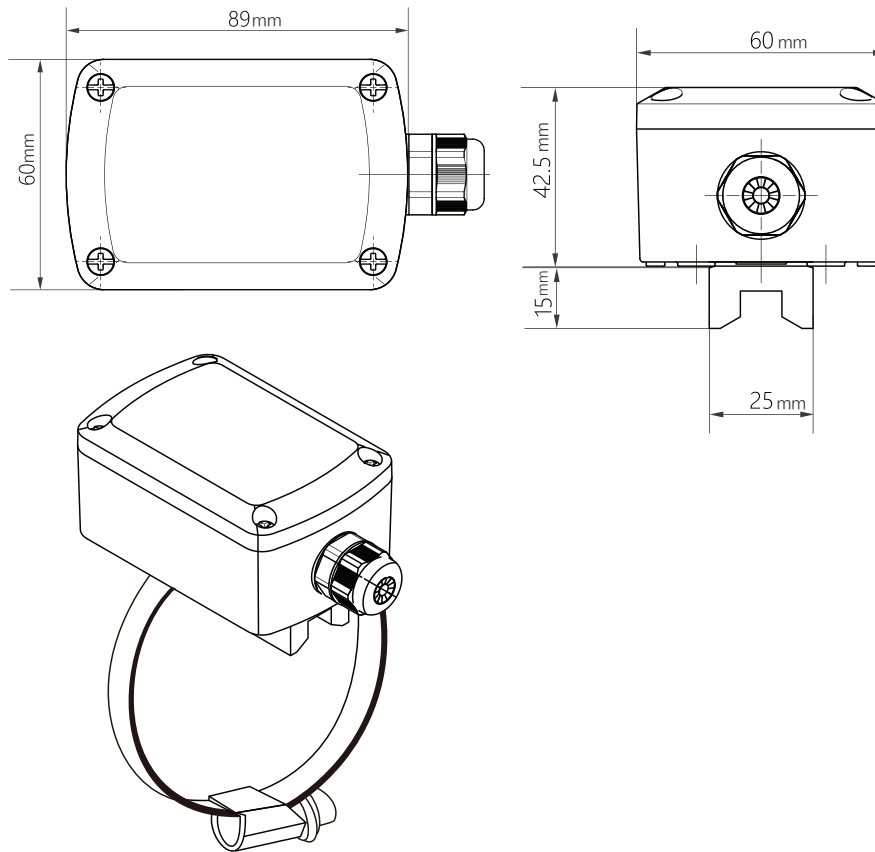
The declaration of conformity of the products can be found on our website [https://: www.keramcontrols.com](https://www.keramcontrols.com)

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Dimensions (mm)



Ordering Guide

KTS130	Element		Hose Clamp	
Model	Element		Hose Clamp	
KTS130	PT100 Class A	(1)	S-250MM	(V)
	PT1000 Class A	(2)	S-400MM	(W)
	NTC 10k B3950	(3)	S-600MM	(X)
	NTC 10k B3435	(4)	S-800MM	(Y)
	NTC 1k	(5)	S-1000MM	(Z)
	NTC 2k	(6)		

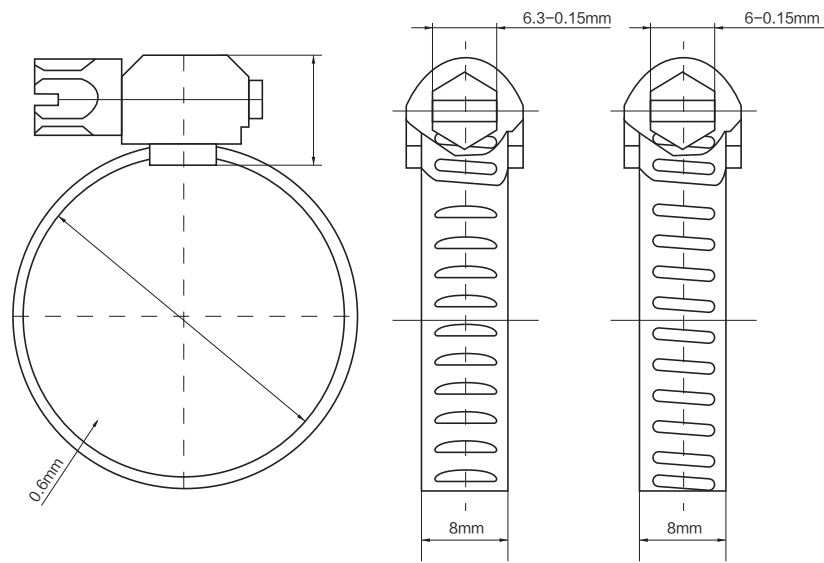
Order Examples

KTS130-1-Y

Model	KTS130 Temperature Sensor
Element	PT100 Class A
Hose Clamp	S-800MM

Accessories

Dimensional drawing



Model	Material	Tmax	Tightening range
S-250MM	Stainless steel	300°C	250-400mm
S-400MM			400-600mm
S-600MM			600-800mm
S-800MM			800-1000mm
S-1000MM			1000-1600mm