

KTT130

Bundled Temperature Transmitter

KeramControls®

Description

KTT130 series bundled transmitter is a low-cost temperature transmitter specially designed for pipeline surface temperature measurement. It is suitable for temperature measurement in various applications. The output model is standard 4-20mA, 0-10V, and the RS 485 output mode can also be selected.



Features

- Range from -40 to +200°C
- 4-20mA, 0-10V, 0-5V, RS-485 output
- Standard accuracy $\pm 0.3^{\circ}\text{C}$
- Protection class: IP65 / NEMA 4

Applications

KTT130 temperature transmitter used for temperature measurement in heating, ventilation and air conditioning systems enabling weather-dependent temperature regulation.

Technical Data

Model	KTT 130
Accuracy	$\pm 0.3^{\circ}\text{C}$ @20°C
Response time	<1min
Media	Air or liquid
Repeatability	$\pm 0.01\%$ at FS/year
Operating temp	-30 ... +70°C (body)
Storage temp	-30 ... +70°C
Measuring range	-40 ... +140°C
Operatin & storage humidity range	5% RH ... 95% RH, no condensation
Power consumption	<1.5 W
Power supply	24Vac/Vdc $\pm 10\%$
Output	4-20mA (2 wire)
	4-20mA (3 wire)
	0-5 / 0-10VDC (3 wire)
	RS-485
Housing material	PC & ABS, UL94-V0
Protection	IP65/NEMA4
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.

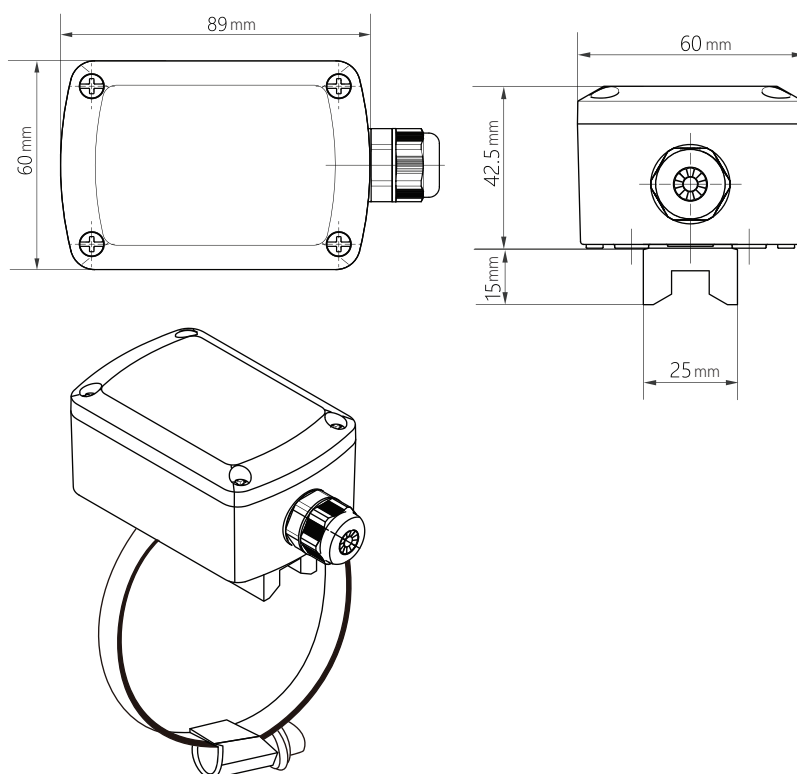
Product Certification



Declaration of conformity

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

Dimensions (mm)



Measuring Range Adjustment

ON 1 2 3	ON 1 2 3	ON 1 2 3	ON 1 2 3	ON 1 2 3
-40 ... +70°C	0 ... +50°C	0 ... +100°C	-30 ... +200°C	-40 ... +140°C

Output Setting (3-wire Model)

ON 4 5	ON 4 5	ON 4 5
0-5V	0-10V	4-20mA



To configure the transmitter, it must not be energized. Then, you can make the settings required, with the DIP switches. When the transmitter is configured, you can power it up.

Ordering Guide

KTT130	Output		Hose Clamp	
Model	Output		Hose Clamp	
KTT130	4-20mA (2 wire)	(E)	S-25MM	(V)
	4-20mA (3 wire)	(F)	S-40MM	(W)
	0-5 / 0-10VDC (3 wire)	(G)	S-600MM	(X)
	RS-485	(H)	S-800MM	(Y)
			S-1000MM	(Z)

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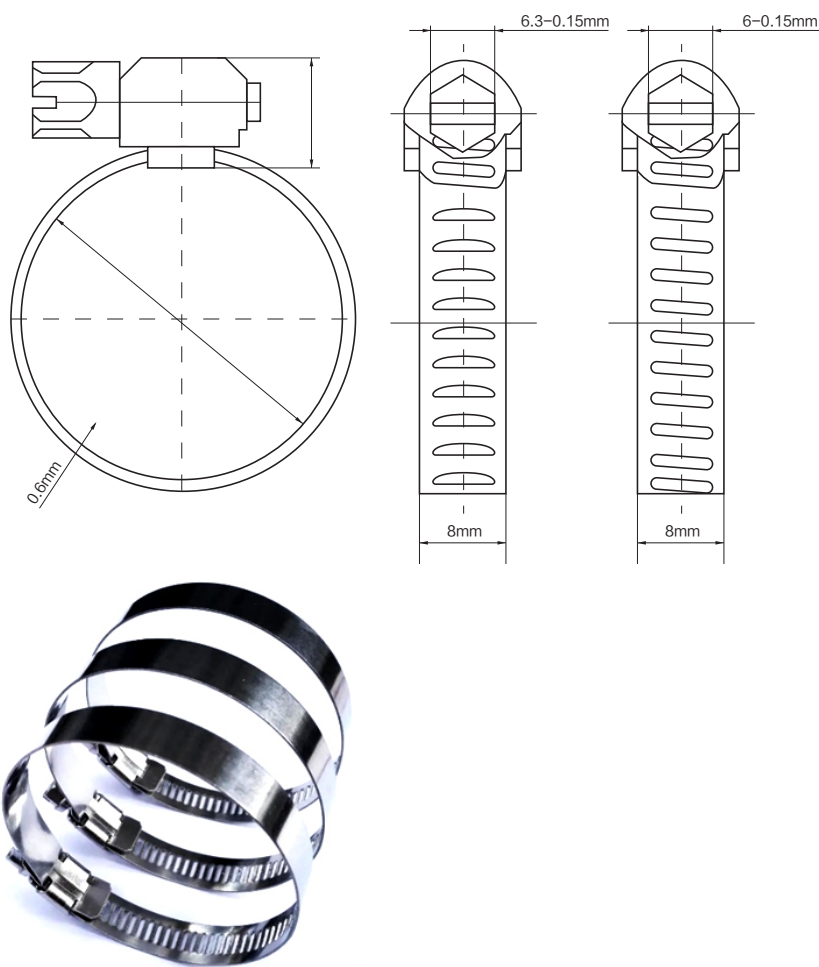
Order Examples

KTT130-E-J

Model	KTT130 Temperature Transmitter
Output	4-20mA (2-wire)
Hose Clamp	S-800MM

Accessory

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