

Description

Pipe temperature sensor is used for measuring temperature of fluids in pipes, containers etc. NTC thermistor is applied as sensing element.



Types

Tube length L = 100mm	CTS - 1
Tube length L = 200mm	CTS - 1 - 200
Tube length L = 300mm	CTS - 1 - 300
Tube length L = 400mm	CTS - 1 - 400
Tube length L = XXXmm	CTS - 1 - xxx
Tube and screwing joint of stainless steel	CTS - 1 - xxx/Cr

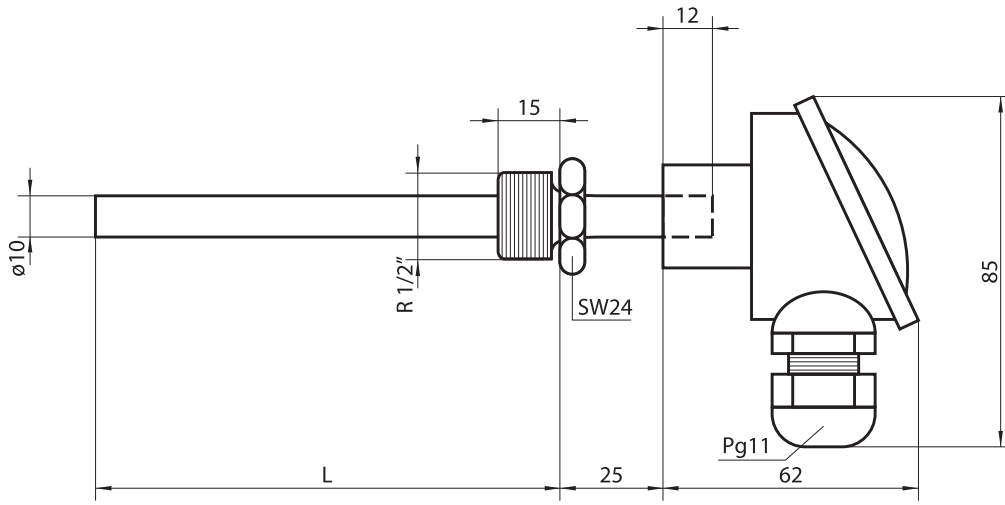
Technical data

Type of sensing element	NTC
Measuring range	-50°C ... + 130°C
Nominal resistance value	2,2 kΩ (T = 25°C)
Nominal pressure	PN 16
Degree of protection	IP 65 (EN 60529)
Connection	1/2"
Housing material	AlSi12
Tube material	Brass
Cable inlet	Pg 11

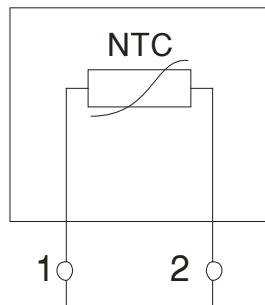
Mounting instructions

Pipe temperature sensor CTS-1 is fitted on pipelines or containers by screwing it on previously welded connection that has 1/2" thread. It should be fitted on pipe against the direction of flow. Pipe joint should be sealed by teflon band. In the case of horizontal fitting, cable connection must be facing down. If the sensor has already been fitted, sensing element could be replaced without removing the whole sensor. Connection terminals are for wires up to 1.5 mm² according to wiring diagram through Pg 11 cable screw fitting. Using a screwdriver carefully remove the sensor casing cover. Insert the cable through the PG 11 inlet, wire it according to diagram then put the cover back on and screw it down. The maximum wire length is 100m.

Measurements



Wiring diagram



Before disposal the product must be dismantled into groups of structural components and delivered to authorized waste recycling organizations in order to preserve the environment. Local legislations must be obeyed when disposing of the components.

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Feniks BB has implemented and maintains quality and environment management systems in accordance with international standards ISO9001:2008 and ISO14001:2004.