

# KTP110

## Resistance Temperature Sensor

**KeramControls®**

### Description

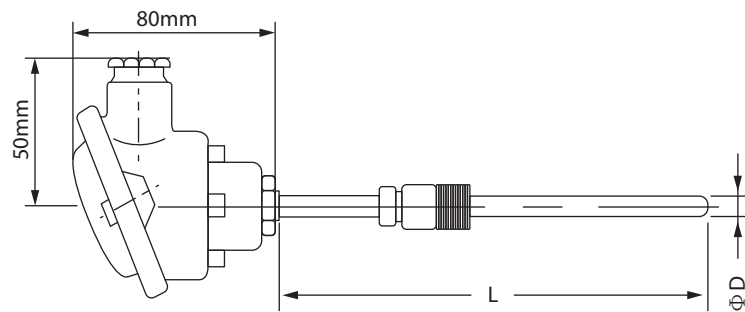
Resistance temperature sensor KTP110 with passive output, with connecting head made from aluminium and straight protective tube. The duct temperature sensor is used to detect temperature in liquid or gaseous media. It is used in pipes, heating engineering, compact district heating station, warm and cold water systems, oil and lubrication cycle systems, mechanical and plant engineering



### Technical Data

Model	KTP110	
Temperature sensor	Element	Standard resistance
	NTC10K B3435	R <sub>25</sub> : 10KΩ±1%
	Pt100	R <sub>0</sub> : 100Ω
	Pt1000	R <sub>0</sub> : 1000Ω
Element connection	2-wire	
	4-wire optional	
Dimensions	See dimensional drawing	
Connection head	Aluminium	
	Ambient temperature -20 to +100°C	
Protective tube	SS316	
	Φ: 6mm	
	Inserted length (EL) 50mm-400mm (see table)	
Protection class	IP54 standard	
Operating temperature	-35 to +150°C	
Storage temperature	-30 to +70°C	
Humidity	<95% RH, non-precipitating air	
ACCESSORIES	See table	
F-06	Mounting flange	
	Galvanized steel	
	Φ: 32mm	
	Tmax: 700°C	
A-B/xx	Immersion sleeve, brass, nickel-plated	
	Φ: 8mm	
	Tmax: 150°C	
	Pmax: 10 bar	
A-Sxx	Immersion sleeve, stainless steel	
	Φ: 8mm	
	Tmax: 600°C	
	Pmax: 40 bar	

## Dimensions (mm)

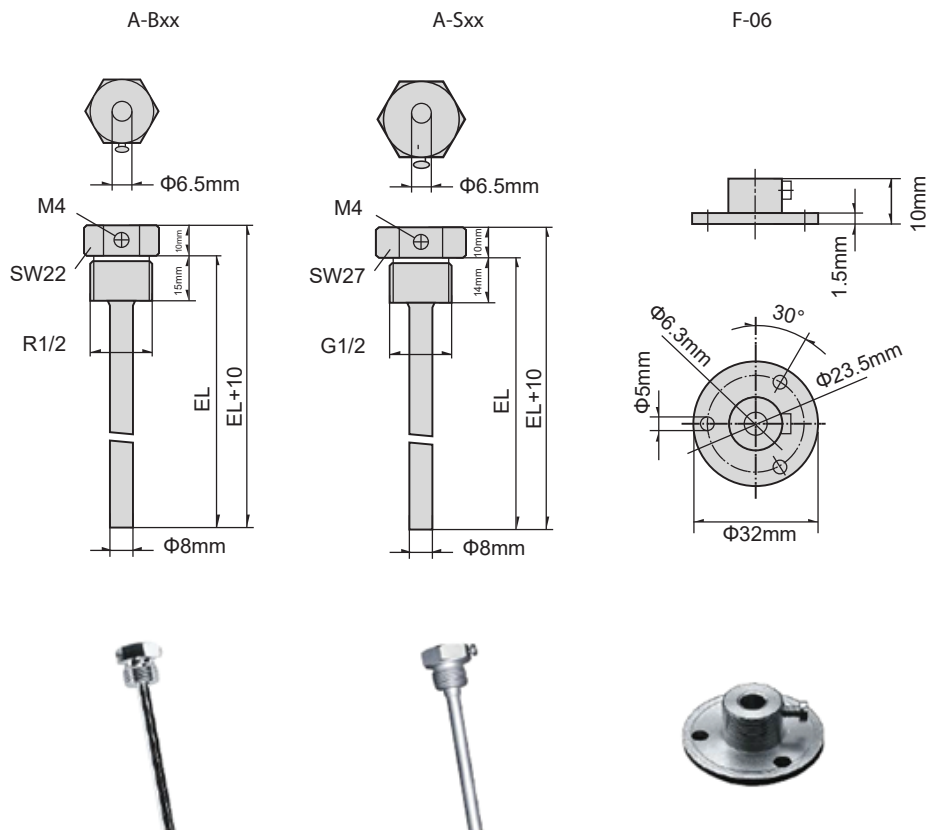


## Ordering Guide

KTP110	Element		Inserted length(EL)	
Model	Element		Inserted length(EL)	
KTP110	NTC10K	(E)	50mm	(J)
	Pt100	(F)	100mm	(K)
	Pt1000	(G)	150mm	(L)
			200mm	(M)
			250mm	(N)
			300mm	(O)
			400mm	(P)

## Accessory

### Dimensional drawing



## ACCESSORIES

Model	Immersion sleeve diameter	Material	Pmax	Tmax	Inserted length (EL)
A-B 50MM	8mm	Brass nickel-plated	40bar	150°C	50mm
A-B 100MM					100mm
A-B 150MM					150mm
A-B 200MM					200mm
A-B 250MM					250mm
A-B 300MM					300mm
A-B 350MM					350mm
A-B 400MM					400mm

**NOTE: with neck tube**

Model	Immersion sleeve diameter	Material	Pmax	Tmax	Inserted length (EL)
A-S 50MM	8mm	Stainless steel	40bar	600°C	50mm
A-S 100MM					100mm
A-S 150MM					150mm
A-S 200MM					200mm
A-S 250MM					250mm
A-S 300MM					300mm
A-S 350MM					350mm
A-S 400MM					400mm

**NOTE: with neck tube**

Model	Diameter	Tube gland	Tmax	Material
F-06	32mm	6.3mm	700°C	Galvansied steel

**NOTE: with neck tube (90mm)**