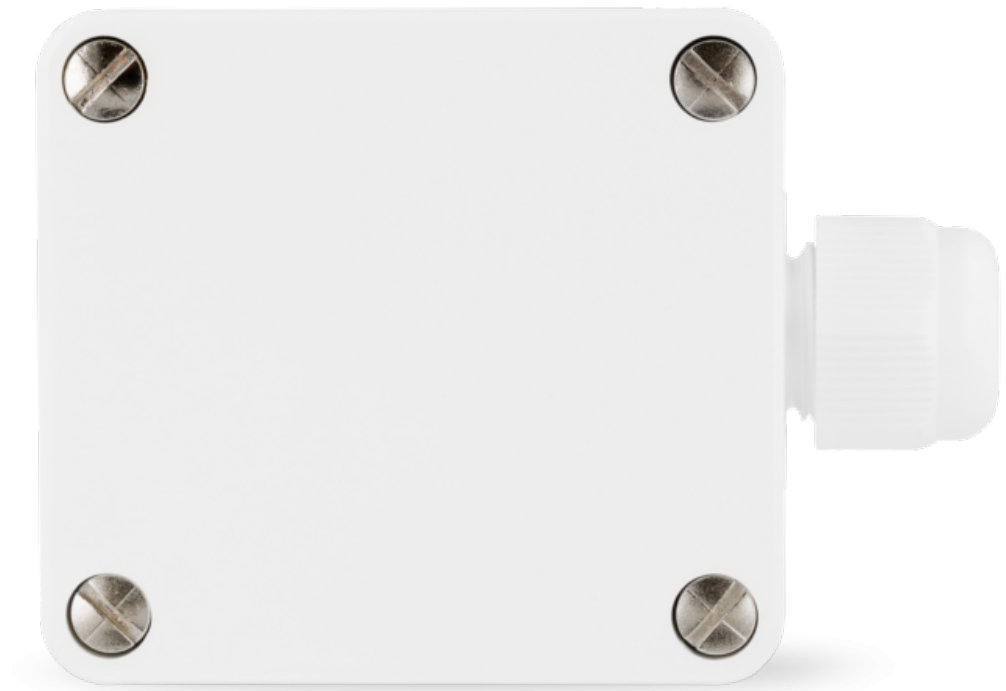


Outdoor temperature sensor for connection to KIO7017 - Datasheet



ORDER-CODES:

[KESAN1](#), [KESAN2](#)

Function	Active temperature sensor for harsh environments (outdoor areas, cold rooms, etc.)	
Connection	I/O module KIO7017 with analog inputs	
Sensor	KESAN1: PT1000 class B	KESAN2: PT1000 class B with 2m silicone cable
Sensor dimensions	6mm x 50mm stainless steel protective sleeve	
DIN	DIN EN 60751	
Temp. Coefficient (sensor)	3850 ppm/K	

Measuring current	1.0-3.0mA	
Error limit	$dT = +/- (0.30^{\circ}\text{C} + 0.005 \times T)$	
Circuit type	3-wire 0-10V or 4-20mA configurable	
Power supply	External 12-30VDC	
Operating temperature	-50°C...+100°C	
Dimensions housing	66 x 60 x 39(mm)	
Material housing	Polyamide	
Connection terminals	Screw terminal (max. 1.5mm ²)	
Cable gland	PG gland (4mm...10mm)	
Protection class	IP65	
Scope of delivery	KESAN1: Temperature sensor	KESAN2: Temperature sensor with silicone cable

The sensor requires an external power supply of 12-14VDC, a corresponding power supply unit is required.