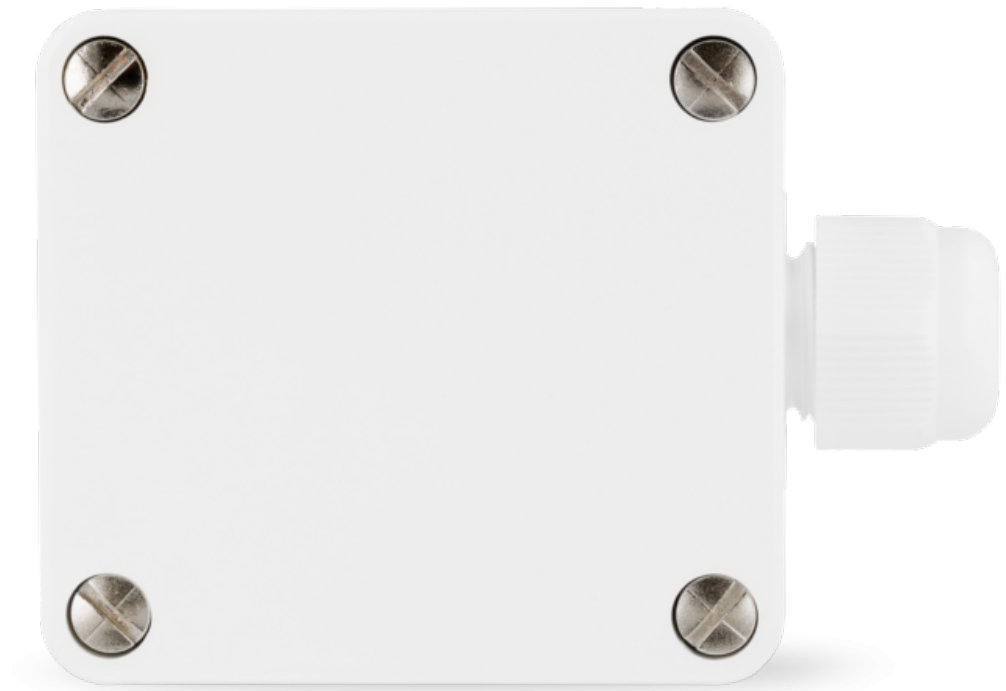


## Outdoor temperature sensor for connection to KIO7017 - Datasheet



ORDER-CODES:

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

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

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