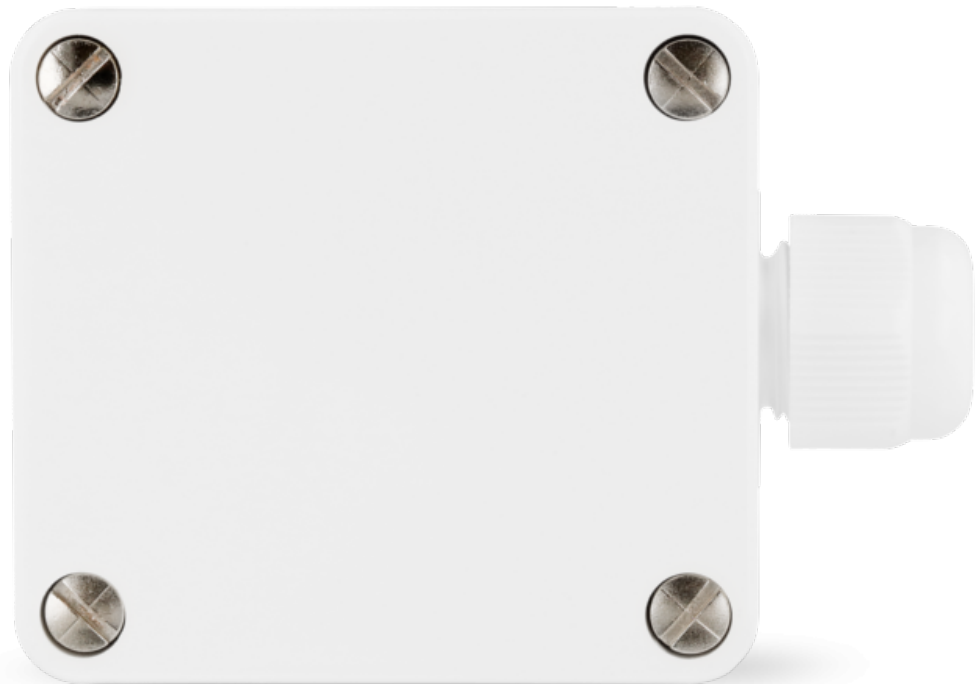


# Outdoor temperature sensor for connection to KIO7017 - DATASHEET



ORDER-CODES:

KESAN1

<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>	PT100 Class B
<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>	$dT = \pm(0.30^{\circ}\text{C} + 0.005 \times T)$
<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

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