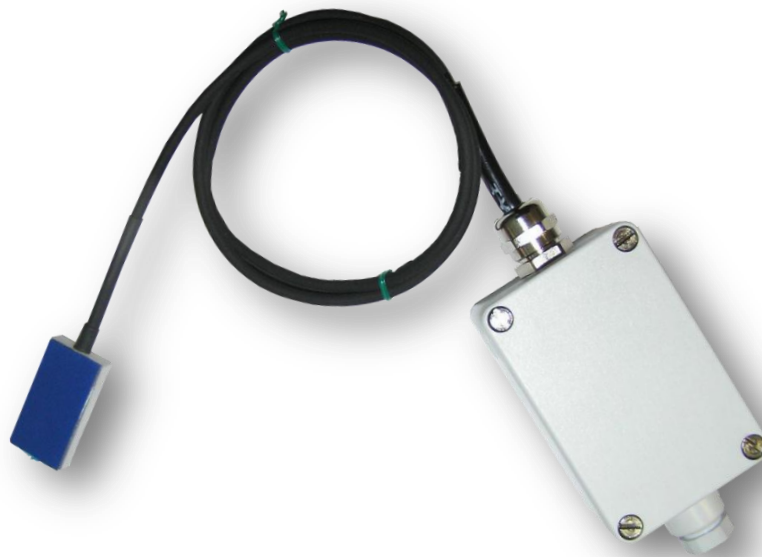


Series SUR UTEKO Surface Temperature Sensor is an adhesive foil sensor. Designed for measurement on surface and is primarily used for temperature measurements of solar installations with terminal box IP65 fitted transmitter 4-20mA

Measurement insert	Length	Temperature range	Cable length	Ordering Nr.	Price (€)
4-20 mA	40mm	from -50 to +150°C	1m	433ZP2S001	



Specifications

Resistance type and tolerance: Resistance thermometer PT100, Class A+ -0.15° C to 0° C (IEC 751)
3 wire system

Temperature range:	-50+150° C
Protection mode:	IP66
Connection cable length:	1m with 2 or 3 conductor connection
Dimensions Probe (w/h/d):	20mm/40mm/7mm
Casing probe:	Aluminum plate, including adhesive tape (tesa)
Adhesive foil:	double sided Pe-Foam mounting tape, fully outdoor suitable UV, water and ageing water
Terminal box plastic PC housing temperature:	from -30 to +80° C

By installing the surface temperature sensor at the back of a solar (panel), the panel temperature can be measured. The temperature of solar panels are crucial for their output, because the output decreases by 0,43%K with increasing temperature. By monitoring the temperature at the solar cells, conclusions can be drawn about the behavior of the output curve.

Other technical characteristics (platinum resistance PT1000 or PT100 without terminal box and transmitter) available upon request