alphaSOL
PREMIUM SOLUTIONS

MICROSYSTEMS

COMPONENTS

SENSORS

Screw-in temperature probe with connection cable -50°C to +200°C

Application

Temperature probes for installation in pipelines. Installation is simple, since the temperature measuring
point is fully integrated into the screw-in probe. The probe can be removed during welding and repair work.

Technical specifications	Type ESK2
Sensor element:	Pt100 (TK3850), Pt500 (TK3850), Pt1000 (TK3850)
	Ni1000 (TK5000), Ni1000 (TK6180)
Sensor accuracy:	Pt: DIN Class AA, DIN EN 60751
	DIN Class A, DIN EN 60751
	DIN Class B, DIN EN 60751
	DIN Class C, DIN EN 60751
	Ni: Class B, DIN EN 43760 (formerly)
	Class A, DIN EN 43760 (formerly)
Probe area of application:	-50°C to +200°C
Connections:	2-wire, 3-wire, 4-wire
Protective tube:	Stainless steel 1.4571, Ø = 6mm, length: 50 – 400mm
Mounting:	Screw-in thread G ½", SW27
Connection cable:	Silicone (Options: PVC- or glass fibre cable)
Measuring current:	100Ω → 1mA; 500 Ω → 0.5mA; 1000Ω → 0.3mA
Max. pressure:	40 bar
Protection class:	IP54
Areas of application:	Building technology, ventilation technology, heating technology, process technology
Options:	Measuring transducer of 4–20 mA or 0–10 V, variable cable lengths, connectors, other probe dimensions