

WKO // with integrated transmitter and plug connector // -50...150°C



WKO

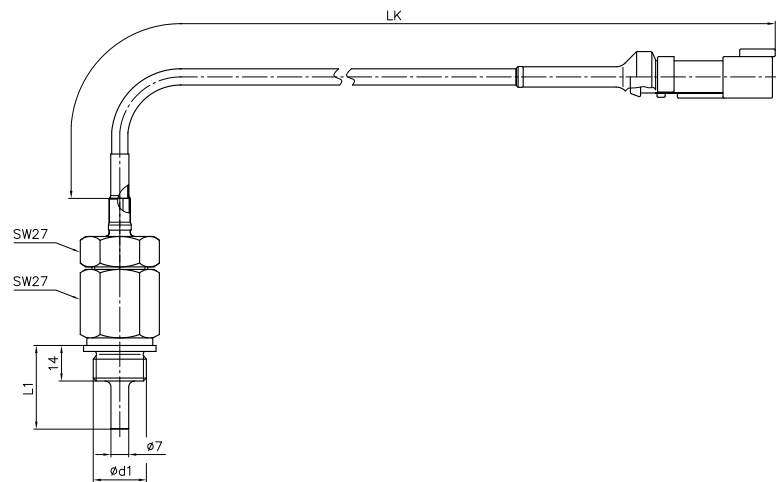
Your advantages

Type	WKO
	<ul style="list-style-type: none"> • Designed for use in harsh environments on construction and extraction machines • The transmitter integrated in the housing provides a fail-safe and standardized output signal • Safe electrical connection due to robust DEUTSCH connector system • Very high vibration and shock resistance → Reliable and long-lasting operation • High protection class against moisture, dust and dirt ingress • Extremely resistant connecting cable → Enables use in harsh environments

Technical data	
Type	Temperature sensor with integrated transmitter and plug connector
Measuring range	-50...150 °C
Measuring medium	Water and aqueous liquids, non-aggressive gases
Immersion tube length	30...100 mm
Immersion tube diameter	7 mm
Process connection	G½
Nominal pressure	PN 25
Medium temperature	-50...150 °C
Ambient temperature	-40...85 °C
Storage temperature	-25...70 °C
Degree of protection according to EN 60529	IP65

Electrical data	
Measuring element	1 x Pt100 / 2-wire
Measuring insert	Not interchangeable
Accuracy	Class B / ±(0.30 K + 0.005 x t)
Electrical connection	FEP cable, wire braided, with mounted DEUTSCH plug or KENPUR 500, orange, with mounted DEUTSCH plug
Supply voltage	
→ 4...20 mA	10...35 VDC
→ 0...10 V	15...30 VDC
Analogue output	
Current signal	4...20 mA or 0...10 V
Scaling	Programmable

WKO

**Materials****In contact with media****Process connection**

Brass 2.0401 or Stainless steel 1.4571

Protection tube

Brass 2.0401 or Stainless steel 1.4571

Order code									
Type									
Resistance thermometer	W								
Diameter									
7 mm	07								
Material									
Brass 2.0401		1							
Stainless steel 1.4571		3							
Sensor element									
1 x Pt100 2-wire / Class B			P21						
Nominal length L1									
30 mm				030					
100 mm				100					
Electrical connection									
FEP cable, wire braided					27				
KENPUR 500, orange					09				
Process connection d1									
G½						2			
Cable length LK									
1.0 m								01	
1.5 m								02	
2.0 m								03	
2.5 m								04	
Signal output									
4...20 mA, 2-wire									I
0...10 V, 3-wire									U
Example order number		W	07	1	P21	030	27	2	01
									I

