


<b>Technical data</b>				
<b>High temperature sensor</b>				
<b>Article</b>	<b>Screw temperature sensor</b>		<b>Flat temperature sensor</b>	<b>Rod temperature sensor</b>
<b>Article number</b>	<b>0001207</b>	<b>5030008</b>	<b>0001218</b>	<b>5020002</b>
<b>Application purpose</b>	For measuring bearing, gear or motor temperatures.		For measuring bearing, gear or motor temperatures.	For measuring storage temperatures, in the discharge of the elevator or in the grain dryer.
<b>General information</b>				
<b>Housing material</b>	Steel			
	AISI 316L-W1.4404/1.4435 V2A		V2A, Viton	AISI 316L-W1.4404/1.4435 V2A
<b>Mounting</b>	M8 screw terminal, wrench size 13	M10x1 screw terminal, wrench size 17	Mounting hole $\varnothing = 10.5\text{mm}$ for screw M5 to M10	M8 screw terminal, wrench size 13
<b>Connection cable</b>	2-wire, high-temperature resistant connection cable (PTFE), temperature range $-60 \dots +300^{\circ}\text{C}$			
<b>Connection cable length</b>	2m	2m	2m	5m
<b>Installation depth</b>	10mm	10mm	-	100mm (Rod $\varnothing 5\text{mm}$ )
<b>Mounting position</b>	Any			
<b>Weight</b>	40gr			
<b>Certification</b>	Explosion-proof for areas endangered by combustible dusts of zone 22 according to ATEX			
<b>Function data</b>				
<b>Sensor type</b>	Pt 10'000 (10kOhm at $0^{\circ}\text{C}$ )			
<b>Sensor connection</b>	2-wire + shield			
<b>Accuracy</b>	Class B (DIN EN 60751)			

<b>Electrical data</b>	
Current consumption	max. 100uA
Operating voltage	max. 30VDC
Power	max. 15mW
Sensor cable resistance	max. 3 ‰
Connection cable	2 x 0.22mm <sup>2</sup> + shield
<b>Temperature range</b>	
max. surface temperature housing	200°C
Process temperature	-30°C to +200°C
max. temperature increase	5K
Storage	-20°C to +60°C (max. 2 years)
Humidity (relativ)	max. 95%, not condensating
max. Pressure	max. 10bar, depending on way of assembly
<b>Safety relevant data</b>	
IP protection class	IP67 (Case) IP68 (Process connection)
Protection class	Protection class II
ATEX certification	Ex II 3D Ex tc IIIC T200°C Dc
Manual	