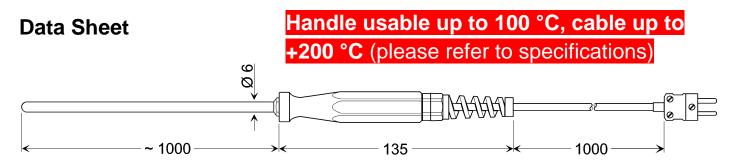


GTF 1000 AL immersion sensor with sheath thermocouple for use in aluminium smelters, etc.



The GTF 1000 AL is an economical sensor for short-term use in aluminum smelters as a cost-effective and break-resistant alternative to expensive and sensitive ceramic sensors.

NOTE ON USE:

The reinforced protective covering is attacked by the melt and thus degrades. In case of frequent or longer measurements, the sensor is to be considered as a wearing part.

The operational life of the reinforced protective cover can be extended by using common mould release agents (e.g. Metalstar TOP 211). The silicone cable is optionally equipped with loose ends or type-K DIN miniature flat plugs.

Specifications

Sensor element:	Type K Thermocouple, potential-free
Accuracy:	Class 1 (see below)
Measuring range:	-200 +1000 °C
	Observe application area of sensor handle!
Sensor tube:	1.4404 (V4A) Ø6 mm (1.4 mm reinforced wall)
Sensor length:	standard 1 m
Sensor handle:	PA, glass fibre reinforced (max. 100 °C)
Cable:	standard 1 m silicone (max. +200 °C)
Connection:	DIN miniature flat plugs / loose ends with ferrules
Response time T90:	water 0.4 m/s approx. 30 s
Protection class:	IP67, except plug

Accuracy (derived from EN 60584-1:2014-07):

class	Tolerance values	Temperature range of validity
1	±1,5°C	-40+375°C
	$\pm 0,004 \times t $	+375 +1000°C

Variants / Ordering code:

GTF1000AL-[1]-[2]-[3]

Immersion probe, sheathed thermocouple for aluminum smelting etc.

1	1 Connection	
	-	NST1200 miniature flat pin plug, standard
	LE	Loose ends with ferrules
2	Probe length	
	250	250 mm
	500	500 mm
	750	750 mm
	-	1000 mm, standard
	1200	1200 mm
	1480	1480 mm
	1500	1500 mm
	2000	2000 mm
3	Cable and length	
		1 m silicone cable, standard
	L02	2 m silicone cable
	L01.2SK	Spiral cable stretchable to 1.2 m

Directives and standards:

The handle-probe confirm to following European Directives: 2011/65/EU RoHS Applied harmonized standards: EN 50581:2012

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