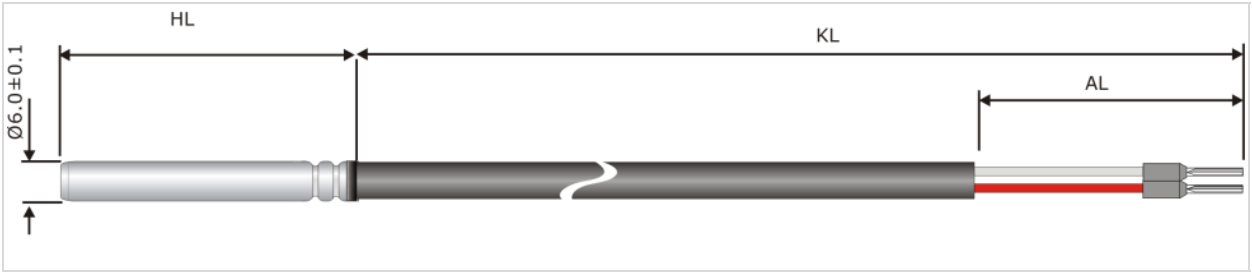
SONTEC

TEMPERATURE: IMMERSION PROBE

TYPESHEET: TT6TP



TECHNICAL DATA	
measuring range	-40°C...+120°C *1
response time	T05=6sec/ T09=18sec *1
outder diameter tube D	6 mm
material (process-intrusive)	V2A/V4A
connection wire (cable-jacket/wire)	silicone/silicone 180°C, 2x0,34mm², CuSn *2
protection category	IP68 according to DIN EN 60529
protection class	III
tensile strain (cable to sleeve)	max 20N
insulation resistance	500V
colour of cable	black/anthracite

AMBIENT CONDITIONS	
application area	liquid and gaseous media
storage temperature	-20°C...+70°C
process pressure	max 20bar *3
dew-point-resistance	ja* *4

MISCELLANEOUS	
labelling	by engraving on sleeve, "batch-no+WW/YY"

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TYPE KEY CONFIGURATION

Pos.:	Physical characteristics	Key	Characteristic
1	length of sleeve HL	A0	35mm
		A1	45mm
		A2	60mm
		A3	100mm
2	sensorelement-type	B0	Pt100, tolerance class B according to DIN EN 60751
		B1	Pt100, tolerance class A according to DIN EN 60751
		B2	Pt100, tolerance class AA according to DIN EN 60751
		B3	Pt500, tolerance class B according to DIN EN 60751
		B4	Pt500, tolerance class A according to DIN EN 60751
		B5	Pt1000, tolerance class A according to DIN EN 60751
		B6	Pt1000, tolerance class B according to DIN EN 60751
		B7	Pt1000, tolerance class AA according to DIN EN 60751
		B8	Pt500, tolerance class AA according to DIN EN 60751
		B9	NTC 2,2K@25°C B25/85=3552 B±1%/R±1% *5
		B10	NTC 5K@25°C B25/85=3977 B±1%/R±1% *5
		B11	NTC 10K@25°C B25/85=3977 B±1%/R±1% *5
		B12	NTC 10K@25°C B25/85=3435 B±1%/R±1% *5
		B13	NTC 10K@25°C B25/85=3977 B±1%/R±1%, valid from 50°C, <50°C is B2%/R2% *6
		B14	NTC 20K@25°C B25/85=3970 B±1%/R±1% *6
		B15	KTY81-110
		B16	KTY81-121
		B17	KTY81-210
		B18	NI100 tolerance class B, TK6180
		B19	NI1000 tolerance class B, TK6180
		B20	NTC 2,7K@25°C B25/85=3977 B±1%/R±2% *5
		B21	NTC 2,252K@25°C B25/85=3977 B±1% *6
3	cable length KL	C0	1000mm-50+100 *7
		C1	1500mm-50+100 *7
		C2	2000mm-50+100 *7
		C3	2500mm-50+100 *7
		C4	3000mm -50+100 *7
		C5	4000mm -50+100 *7
		C6	5000mm -100+200 *7
		C7	6000mm -100+200 *7
		C8	500mm-10+40 *7
		C9	12000mm -200 +400
4	sensor connection	D0	wire end sleeves grey 0,75mm²
		D1	wire ends tinned
		D2	wire end sleeves orange 0,5mm²
5	bend-protection spring	E0	bend-protection spring L=55mm, material 1.4310
		E1	no

EXISTING CONFIGURATIONS

Type	Order number	Item number	Old order number
TT6TP	TT6TP-A0	800-688	

REMARKS

*1 measured in water 70°C, 0,04m/sec

*2 halogen-free

*3 using a suiteable compression gland . The user has to check the combination of union and sensor. A shearing off of the sleeve material may not occur. The figure is based on values determined in the laboratory at room temperature and static pressure. Extended specification on request.

*4 Wir empfehlen den Einsatz von Platin-Sensorelementen oder speziellen glasgekapselten NTC Sensorchips. Bei epoxy-gekapselten NTC muss von einer reduzierten Lebensdauer ausgegangen werden

*5 !!! CAUTION: This sensor element can only be loaded up to 125°C (short-term 150°C). The maximum temperature of the sensor is affected by this restriction!!!

*6 NTC glas encasulated, Tmax=250°C

*7 stripping length AL=40mm +10-10

We reserve the right to make technical modifications and correction at any time without prior notice!
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REVISION

Version	Effective from	Comment
1.7	03.05.2017 09:05:09	Update TP-Festigkeit
1.6	10.05.2016 12:16:26	leere Felder bereinigt
1.5	10.05.2016 12:13:04	Fehler PRA berichtigt
1.4	10.05.2016 12:07:44	C8 PRA
1.3	10.05.2016 11:44:16	PRA fehler
1.2	10.05.2016 10:06:00	
1.1	09.10.2013 10:52:15	Freigabe PSO 09102013
1.0	08.10.2013 10:30:12	Typenblatt angelegt