

temperature: immersion probe

Typesheet: TT6-1005

**Technical data**

measuring range	-50°C... +220°C
response time	T05=6sec/ T09=18sec * <sup>1</sup>
outer diameter tube D	6mm
material (process-intrusive)	V2A/V4A
connection wire (cable-jacket/wire)	silicone/silicone 220°C, 2x0,35mm <sup>2</sup> , CuSn * <sup>2</sup>
protection category	IP67 according to DIN EN 60529
insulation resistance	500V
tensile strain (cable to sleeve)	max 10N
colour of cable	grey

**ambient conditions**

application area	liquid and gaseous media
storage temperature	+5°C...+70°C
process pressure	max 1,5 bar
dew-point-resistance	no

**Type key configuration**

Pos.:	Physical characteristics	Key	Characteristic
1	length of sleeve HL	A0	45mm
		A1	35mm

Pos.:	Physical characteristics	Key	Characteristic
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	Pt1000, tolerance class B according to DIN EN 60751
		B4	Pt1000, tolerance class A according to DIN EN 60751
		B5	Pt1000, tolerance class AA according to DIN EN 60751
		B6	NTC 10K@25°C B25/85=3977 B±1%/R±1% *3
		B7	NTC 5K@25°C B25/85=3977 B±1%/R±1% *4
		B8	NTC 10K@25°C B25/85=3435 B±1%/R±1% *4
		B9	NTC 2,2K@25°C B25/85=3552 B±1%/R±1% *4
		B10	KTY81-210
		B11	KTY84-130
		B12	KTY81-121
		B13	KTY81-110
B14	LM235Z		
3	cable length KL	C0	1000mm-50+100 *5
		C1	1500mm-50+100 *5
		C2	2000mm-50+100 *5
4	sensor connection	D0	wire end sleeves orange 0,5mm <sup>2</sup>
		D1	wire end sleeves grey 0,75mm <sup>2</sup>
		D2	wire end sleeves turquoise 0,34mm <sup>2</sup>

### Existing configurations

Type	Order number	Item number	Old order number
TT6-1005	<u>TT6-1005-A0B3C1D0</u>	800-703	

### Remarks

\*1 measured in water 70°C, 0,04m/sec

\*2 short-time temperature 260°C,  
special characteristics: UV-and Ozone resistant

\*3 !!! 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!!!

\*4 !!! 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!!!

\*5 stripping length AL=40mm +10-10

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

This version of the data / type sheet is a translation by a partner. We assume no liability for translation errors. If the translation contains errors or ambiguities, the German version of the data / type sheet is to be used.

### Revision

Version	Effective from	Comment
<u>1.0</u>	28.11.2014 13:19:39	Typenblatt angelegt