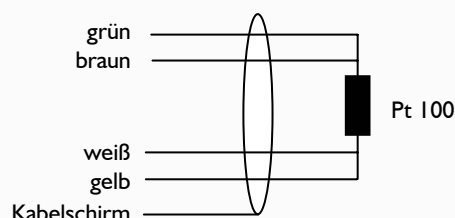


Version Th2-h with Pt 100

Measuring range: -50°C ... +100°C
 Sensor: Pt Microfilm resistor 100 Ω
 Standard: 1/3 DIN EN 60751 Class B-



Tolerance	at temperature
±0,1°C	0°C
±0,2°C	±20°C
±0,3°C	±40°C
±0,4°C	+60°C
±0,5°C	+80°C
±0,6°C	+100°C

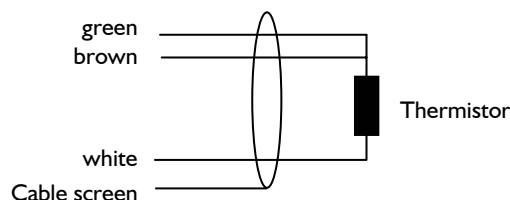


Signal table:

temperature °C	resistance Ω	temperature °C	resistance Ω	temperature °C	resistance Ω	temperature °C	resistance Ω
-50	80,3	-10	96,09	+30	111,67	+70	127,07
-40	84,27	0	100,00	+40	115,54	+80	130,89
-30	88,22	+10	103,90	+50	119,40	+90	134,70
-20	92,16	+20	107,79	+60	123,2	+100	138,50

Version Th2-f with Fenwall Thermistor

Measuring range: -50°C ... +100°C
 Sensor: Fenwall-Thermistor (high-temperature conductor)
 Accuracy: ±0.1 K at 10°C, selected
 ±0.2 K for complete range
 Long term stability over 4 years ...
 at 25°C max.: 0.055 K
 at 50°C max.: 0.064 K



Not linear, digressive temperature-resistance-characteristic:

temperature °C	resistance Ω	temperature °C	resistance Ω	temperature °C	resistance Ω	temperature °C	resistance Ω
-40	75 769	-6	10 050	+18	3 080,7	+42	1 107,3
-34	51258	-4	9 043,6	+20	2 813,2	+44	1 023,1
-28	35 228	-2	8 149,3	+22	2 571,6	+46	946,13
-24	27 664	0	7 352,8	+24	2 353,3	+48	875,74
-22	24 572	+2	6 642,9	+26	2 155,7	+50	811,24
-20	21 861	+4	6 009,2	+28	1 976,7	+52	752,15
-18	19 478	+6	5 442,9	+30	1 814,4	+54	697,89
-16	17 382	+8	4 935,7	+32	1 667,1	+56	648,10
-14	15 534	+10	4 481,3	+34	1 533,2	+58	602,36
-12	13 902	+12	4 073,6	+36	1 411,4	+60	560,25
-10	12 459	+14	3 707,2	+38	1 300,6		
-8	11 182	+16	3 377,5	+40	1 199,5		