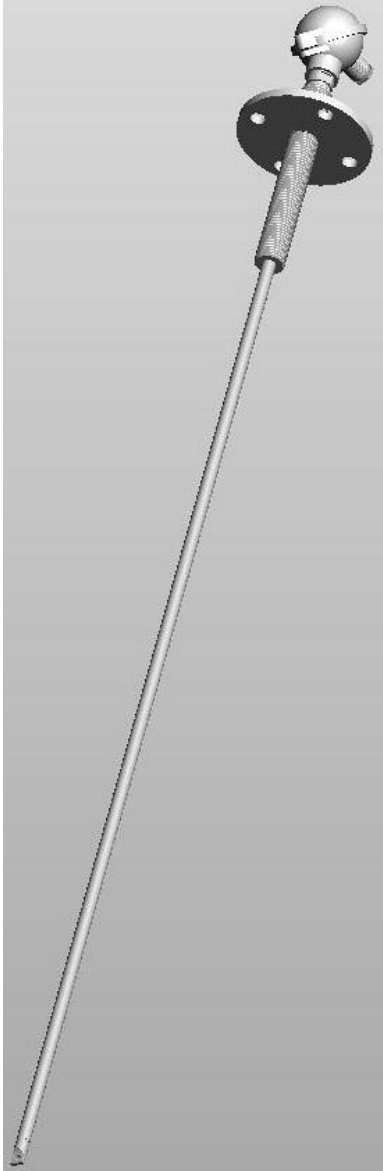


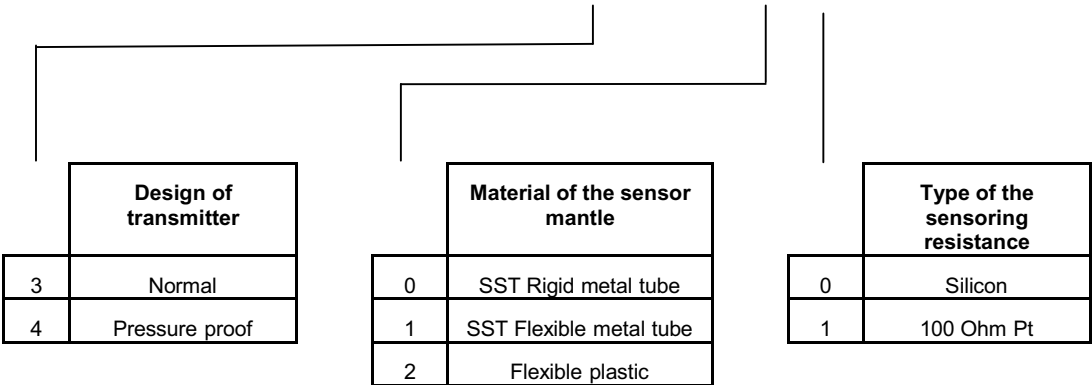
# TANK AVERAGE TEMPERATURE TRANSMITTER WITH IMMERSED SENSOR

The intrinsic safe immersed temperature sensor is suitable for measuring the average temperature of materials (even under pressure) stored in gas and oil tanks. The measuring element is a special silicon resistance thermometer or a PT100 platinum resistance thermometer. The casing meets the requirements of the installation in the field. If the temperature and pressure of the substance to be measured does not exceed the defined value, it can be installed directly into the tank. The transmitter is fixed onto the tank with its stainless steel flange.



## Specification

Type number : **8 0 □ - 0 - 0 0 □ - □**



Range of temperature	-20 ... +150 °C Si -60 ... +300 °C Pt
Ex-proof safety	EEx ia IIB T6 ill.
Protection (MSZ IEC 529)	Electronics: IP 65 Sensor chain: IP 67
Range of environmental temperature	-20 ... +60 °C
Relative humidity	30 ... 98%
Permissible vibration during operation	25 Hz; 0,1 mm ampl.
Length	according to order max. 30m rigid metal tube max. 6m
Weight	depends on design
Accuracy	<0,5°C SI <0,2°C PT100
Output signal	RS485 MODBUS
Flange	NA50 (optionally NA40)

**The number of needed measuring elements as function of the height of the liquid**

Height of liquid (m)	Number of measuring elements (pcs)
0- 1,6	1
0- 2,3	2
0- 3,2	3
0- 4,5	4
0- 6,5	5
0- 7,7	6
0- 9,6	7
0-12,0	8
0-15,0	9
0-18,8	10
0-23,2	11
0-30,0	12