

Slope of the measuring chain:	57.2 ± 2 mV/pH at 25 °C
Zero point of the measuring chain:	1.35 ± 1 pH
Potential of the measuring chain, reference electrode made of silver acetate:	+200 to -800 mV
Potential of the measuring chain, reference electrode made of silver chloride:	+600 to -400 mV
Isotherm point:	at 1.35 ± 1 pH
Internal resistance of the measuring chain:	10 ⁸ – 10 ⁹ Ω at 25 °C
Diaphragm resistance:	approx. 50 kΩ
Insulation resistance:	≥ 10 ¹² Ω
Internal capacitance (with connection cord):	≤ 10 nF
Internal inductance (with connection cord):	negligible
Allowable working temperature:	-5 to +140°C
Allowable working pressure:	-1/+9 bar or -1/+15 bar (The data indicated on the nameplate is mandatory)
Max. ambient temperature:	50 °C
Thermal shock resistance ΔT:	120 °C
Temperature measurement:	using Pt100
Resistance:	refer to Figure 5

Electrical data if used in potentially explosive atmospheres:

Required type of protection for category 2 equipment Power and signal circuits	Ex ia IIC For connection to certified, intrinsically safe electrical circuit only. L _i negligible C _i negligible
Required type of protection for category 1/2 equipment Power and signal circuits	Ex ia IIB For connection to certified, intrinsically safe electrical circuit only. The following maximum values apply to the measuring circuits of probes on a common probe carrier: U _i = 30 V I _i = 100 mA L _i (probe) negligible C _i (probe) negligible C _{connection cord} ≤ 10 nF The maximum allowable inductance of all inductors in the supply circuits is 11 mH. The maximum allowable capacitance of all capacitors in the supply circuits is 180 nF. PTB 03 ATEX 2207 X
EC type examination:	

Pf
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Defining the standard

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