

## 6. PT100 PROBE TECHNICAL SPECIFICATIONS

### 6.1 Models PT100

Storage conditions	-50T250 °C
Operating range elemento sensibile	PT100000A1: -50 °C...+250 °C PT100000A2: 0 °C...+400 °C
Sensor	Pt100 Class B in accordance with DIN IEC751, 3 wire
Precision	+/- class B=(0,005xt)+0,3, a 100°C = ±0,8°C
Connections aliment. e uscita	Stripped ends, dimensions 6±1mm
Cable	PT100000A1: silicone rubber HALOGEN COMPOUNDS ≤ 1.1 x 10 <sup>-3</sup> mg/g PT100000A2: 3x0.5 mm <sup>2</sup> fibreglass wire and secondary insulation
Dissipation factor (in air)	0,3 K/mW at 0 °C
Thermal constant over time (in air)	ca./approx 20 s
Category of resistance to heat and fire	Range -20 °C +200°C for PT100000A1, +500 °C for PT100000A2
Insulation resistance	>500 Mohm / 250 V
Dielectric strength	250 Vac (code PT100000A1 only) not applicabile for PT100000A2
Primary insulation (porbe and cable)	250 Vac
Sensitive element index of protection	IP65
Sensitive element housing	AISI 316 stainless steel

Tab. 6.a



Fig. 6.a

\* = see table of product codes in price list

\*\* = 3-wires cable compensates for the resistance introduced by the cable