

LE1 probe

PT100 notch probes for stator type LE1

Ref : 2833

Rev : D



DESCRIPTION

The PT100 platinum resistance pyrometric probe is made of an epoxy glass fiber blade.

It is intended to be placed in the stator notches of synchronous machines whose power can reach 5 MVA and whose voltage equals 5 kV. It can also be used for synchronous machines with slightly lower power and with medium-voltage asynchronous motors (3 KV).

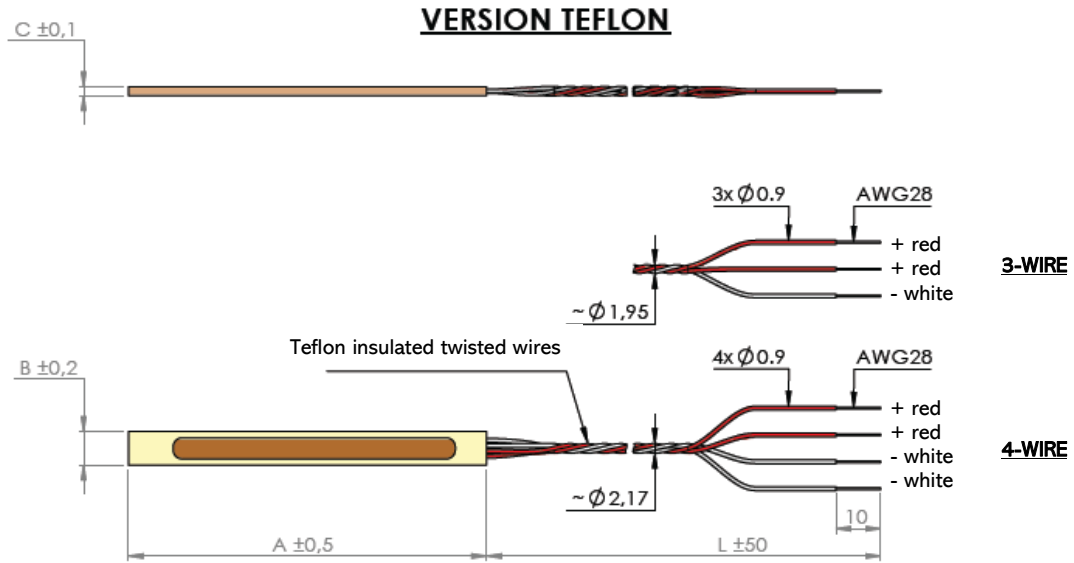
Due to the long length of its sensitive area, this sensor easily detects all overheating, even very localized.

MESUREX is a sensor manufacturer. We can adapt most sensors to your needs. Please [contact us](#).

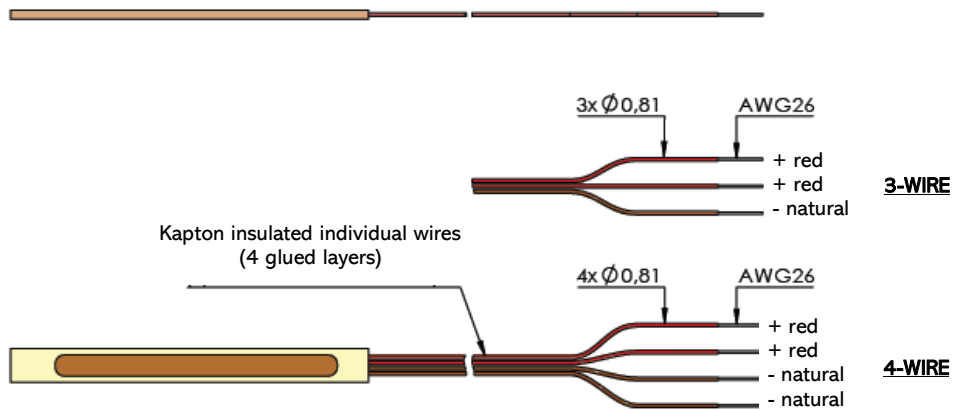
TECHNICAL CHARACTERISTICS

PARAMETERS	VALUES
Type	PT100 simple
Measuring current	1 mA (3 mA max)
Temperature range	-20 °C to 180 °C
Nature of the brochure	Epoxy FR4 TG180 (other on request)
Precision	PT100: Class B according to NF EN 60751 standard (Class A optional)
Dimensions	80mm x 10mm x 2.5mm (5000V) 80mm x 7.5mm x 2mm (3000V) 50mm x 8mm x 2mm (3000V) 50mm x 5mm x 2mm (3000V)
Nature of the extension	Insulated twisted wires Teflon PTFE Individual Kapton insulated wires
Connector's section	AWG28 0.09 mm ² (Teflon PTFE wires) AWG26 0,16mm ² (Kapton wires)
Insulation	≥1 Gohm under 500Vdc
Electrical strength	5000 Vac (50Hz) or 3000 Vac (50 Hz) depending on versions Immersion of the probe + 20 cm of cable in water
Extension length	5 m or 10m (other on request)
Connection	Bare wire as standard PT100: 2-, 3- or 4-Wire mounting

DIMENSIONS



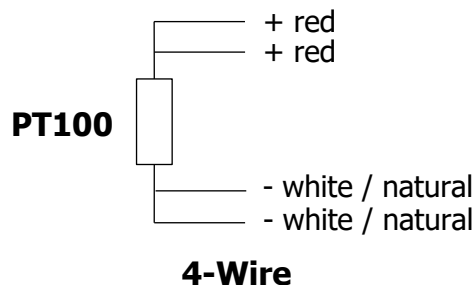
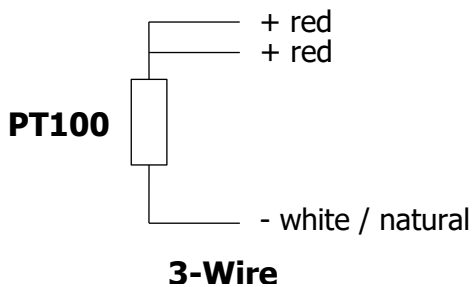
VERSION KAPTON



VERSION	A	B	C
LE1-5KA	80	10	2,5
LE1-3KB	80	7,5	2
LE1-3KC	50	8	2
LE1-3KD	50	5	2

CABLE	L
5M	5000
10M	10000

ELECTRICAL CONNECTION



ORDER INFORMATION

LE1-R T - C I L XDielectric strength:**3K:** 3000Vac 50Hz**5K:** 5000Vac 50Hz ⁽¹⁾**Special options**

Unique alphanumeric code

Size:**A:** 80 x 10 x 2,5 mm**B:** 80 x 7,5 x 2 mm**C:** 50 x 8 x 2 mm**D:** 50 x 5 x 2mmExtension length:

in m

Conductors:**2:** 2-Wire**3:** 3-Wire**4:** 4-Wire ⁽²⁾Insulation:**T:** Teflon**K:** Kapton⁽¹⁾ 5K with size A only⁽²⁾ size A, B or C only

- Special options**

OPTION	PARAMETERS
A	PT100 Class A

Example : **LE1-3KD-3T5**

- PT100 Class B probe
- Insulation 3kV
- Size: 50 x 5 x 2 mm
- Insulation: Teflon
- 3-wire mounting
- Length 5m
- Wire size: AWG26

LE1-5KA-4T10A

- PT100 **Class A** probe
- Insulation 5kV
- Size: 80 x 10 x 2.5 mm
- Insulation: Teflon
- 4-wire mounting
- Length 10m
- Wire size: AWG26

CONTACT

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