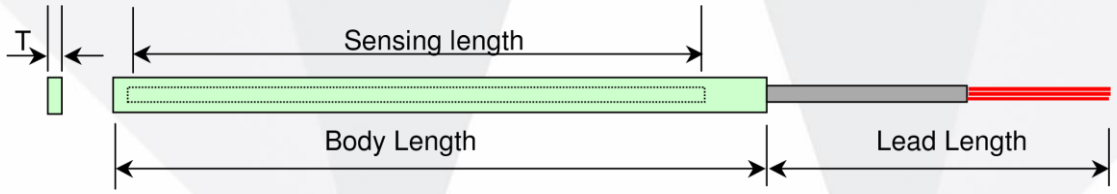
SENSING DEVICES LTD

STATOR WINDING RTDs

- Install between stator windings for continuous protection of motors and generators
- RTD's and Thermocouples
- Class F and H (F=155 deg C / H=180 deg C)
- Dimensions to fit any machine
- Extensive stock inventory for urgent requirements



Flat, laminated Stator Winding RTD's fit in the slots between stator windings to monitor temperature rise and prevent overheating. The industry recognizes embedded detectors as a standard protection for motor and generator insulation. Unlike on-of devices, RTD's provide continuous sensing for earlier warning without unnecessary tripouts. The sensing element of stator RTD's extend through most of the body length to provide an average temperature reading. This eliminates the danger of a point-type sensor missing a localized hot spot.

ELEMENT AVAILABILITY

Platinum 100ohms	Alpha;	Manufacturing tolerance
	0,003850	+/- 0,12% at 0 deg C
	0,003916	+/- 0,12% at 0 deg C (DIN Class B)
Nickel 120 ohms	0,006700	+/- 0,5% at 0 deg C
Copper 10 ohms	0,004300	+/- 0,2% at 25 deg C

Conforming to:

- IEC:EN:60751:1996 Class 'B' or 'A'
- JIS
- SAMA 10 ohms 0.1%
- McGraw Eddison
- GOST
- DIN 43760 :1980

Thermocouples / Junction types	To International colour codes;	
Type E Chromel-Constantan	IEC	JIS
Type J Iron-Constantan	BS EN	NFC
Type K Chromel-Alumel	ANSI	
Type T Copper-Constantan	DIN	

SENSING DEVICES LTD | TEL: +44 (0) 1704 546161 | E: sales@sensing-devices.co.uk | W: sensing-devices.co.uk

ADDRESS: 97 Tithebarn Road, Southport, Merseyside PR8 6AG

TYPICAL VOLTAGE TEST

Each detector to be high voltage tested to 2Kv RMS at 50 or 60HZ for 1 min when applied between leads and an earth electrod, applied over the encapsulated element including a minimum of 25mm of free insulated leads.

CALIBRATION AND CONTINUITY TEST

Each unit will be Calibrated against a known standard, that is calibrated in house, Traceable to SDL's Primary Standard's. Continuity will also be qualified by the above procedure.

If the specifications listed do not meet your specific requirements, please contact a member of our technical team on +44 (0) 1704 546161.