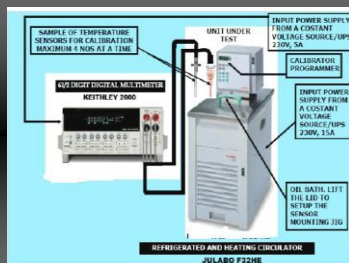




## TEMP.SENSOR OIL CIRCUIT



## TEST SETUP



## THREAD GAUGES



## DRY HEAT



# TEMPERATURE SENSOR OIL CIRCUIT TRANSFORMER

CLW SPEC No.: CLW/ES/3/0033/F

PRODUCT CODE: NS1010.08

For 3 – Ø Locomotive Applications

## INTRODUCTION:

The Temperature Sensor Probe contains Dual PT100 Element within stainless steel housing for use in air, oil or water mediums for measuring Temperature. The high accuracy PT100 Element provides a fast & accurate thermal response.

## TECHNICAL DETAILS:

|                        |   |                                               |
|------------------------|---|-----------------------------------------------|
| Housing Material       | : | Stainless Steel                               |
| Sensor Construction    | : | 2 Resistances Thermometers in one Body        |
| Operating Temperature  | : | -45 °C to +125 °C                             |
| Sensor Tip Environment | : | -45 °C to +125 °C                             |
| Test Voltage           | : | 1000V AC for 60 Sec                           |
| Cable Type             | : | Radox GKW RW/EMV (Electron Beam Irradiated)   |
| Conductor              | : | STD Tin plated copper or Equivalent           |
| Cable Length           | : | 3.5 meters or as required                     |
| Sensor Construction    | : | 2 PT 100 Resistances Elements in One assembly |

## N & S Solutions Pvt Ltd,

Registered Office and Development Centre, No : 37-38, Reliable Residency, 1<sup>st</sup> main, 8<sup>th</sup> cross, HSR Layout, Harlur, Bangalore – 560102. Telefax no : 080-22579021  
E-mail: [sales@nssolutions.co.in](mailto:sales@nssolutions.co.in), Website: [www.nssolutions.co.in](http://www.nssolutions.co.in)

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#### VIBRATION TEST



#### DAMP HEAT TEST



#### FACILITIES



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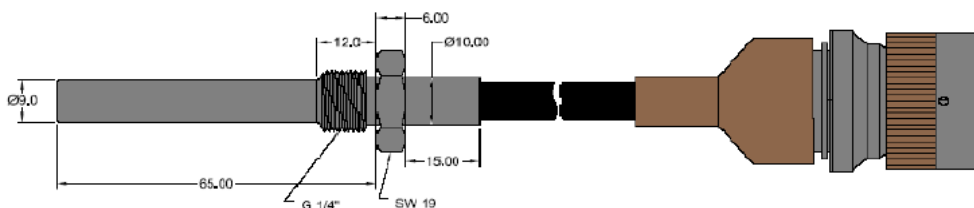
### FEATURES:

- Low cost temperature protection for heavy-duty applications.
- Delivers change in the resistance proportionate to the change in temperature.
- Small, compact – easy to install.
- Designed for use in harsh working environments and hazardous areas.
- Maximum reliability for machine conditioning monitoring.
- Specially designed for the complete versatility of wide ranges of temperature sensing for Industrial, locomotives and military applications.

### APPLICATIONS:

- Sensing of coolant temperature of compressor in locomotives.
- Air compressor temperature detection.
- Off-Highway vehicles.
- Machine Condition Monitoring.
- Traction Converter Cooling Circuit
- Process Plant.
- Sensing of Battery Box Temperature.

### DIMENSION DIAGRAM:



MEETS IEC 60571/ MIL 202 F STANDARDS

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E-mail: [sales@nssolutions.co.in](mailto:sales@nssolutions.co.in), Website: [www.nssolutions.co.in](http://www.nssolutions.co.in)

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