

BEARING OIL TEMPERATURE MONITOR OPERATION AND CALIBRATION INSTRUCTIONS

Effective
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New

GENERAL INFORMATION AND OPERATING INSTRUCTIONS

The Blackmer Bearing Oil Temperature Monitor is durably constructed of type 304 Stainless Steel. Like any instrument it should be handled with care.

- Dials Printed with large numbers and graduations – easy to read from any angle.
- Actuated by super sensitive Bi-metallic helix coil – no liquids.
- Bi-metallic element dampened with silicone for minimum pointer vibration and maximum heat transfer.
- Rustproof...Dustproof...Leakproof...Hermetically sealed.
- Corrosion resistant to most chemicals.
- Accuracy +/- 1% total scale range.
- For accurate reading – thermometer must be immersed past groove on lower portion of stem.
- Over range protection is 50% up to 500°F (260°C) and 10% over 500°F (260°C)

CAUTION

Any severe shock to the thermometer by dropping, etc., bending of stem, or head, can very possibly impair its accuracy.

When installing thermometer into threaded connection, always tighten with wrench on hex nut (NEVER use head of thermometer for tightening).

CALIBRATION INSTRUCTIONS

1. A master thermometer with high degree of accuracy should be used for calibration.
2. Place the thermometer to be calibrated alongside of the master thermometer. Immerse both thermometers into an agitated liquid for at least 3 minutes. Compare temperatures.

IMPORTANT – *For most accurate reading, both thermometers must be immersed over grooved marking located on the stem.*

3. To calibrate – A friction hex-connecting nut is provided beneath the thermometer head.
4. Place a wrench on the hex-connecting nut. Hold the head and turn until the pointer is at the exact temperature.

