

Dual Mode Thermometer



Brand: Reotemp

Short Description

REOTEMP's Dual Mode Thermometer (DMT) is a convenient, multi-purpose indicator for local and remote temperature monitoring. This rugged dual-sensor system puts TWO independent sensors in ONE THERMOWELL, and allows easy tie-in to process controls. Both sensors are NIST traceable. Special sensor encapsulation and optional liquid filling make the DMT the most rugged, durable instrument of its kind. Allows independent local and remote reading (Up to 1000°F) from one thermowell. Redundant sensors for simple, effective calibration or spot checking without removing instrument from thermowell. Easily installed in any standard thermowell. Interchangeable with existing thermometer, RTD, or Thermocouple.

Description

CASE & BEZEL: 304SS (std), 316SS (optional) CASE STYLE: Back or Adjustable Angle Connection DIAL SIZE: 3", 4", or 5" PROCESS CONNECTION: 1/2" NPT (std), 1/2" NPT Union (optional) EXTERNAL RESET: Slotted Hex Screw CRYSTAL: Glass (std), Plastic or Tempered Glass (optional) HERMETIC SEAL: Bimetal Thermometer per ASME B40.3 (3/8" stem only) STEM MATERIAL: 304SS STEM DIAMETER: 0.375" O.D. or 1/4" O.D. STEM LENGTH: 2 1/2" to 36" TC/RTD TEMPERATURE LIMITS: -100°F to 1000°F (Thermocouple); -100°F to 600°F (RTD – DM4 Model) -100°F to 900°F (RTD – DMT Model) RTD: 100 ? Platinum; 0.00385 ?/0°C, 3-wire (std.), others available – contact factory RTD ACCURACY: 0.12% °C (std). Others available upon request. HEAD ORIENTATION: RTD or Thermocouple Head is Mounted to the Right of the Bimetal Thermometer THERMOCOUPLE: Type K Grounded Junction (std), Types T, E, J, and Ungrounded (optional) THERMOCOUPLE ACCURACY: Type K \pm 2.2°C or 0.75% (-200°C to 1260°C), whichever is greater.

Others available upon request. BIMETAL RANGES: Standard Ranges and Divisions up to 800°F (538°C). See inside of back page. BIMETAL OVER RANGES: 50% over range to 550°F, 1000°F max. BIMETAL ACCURACY: $\pm 1\%$ of Full Scale THERMOWELL: Model DMT fits any standard 0.385" bore thermowell or Model DM4 fits 0.260" bore. OPTIONS: Silicone case fill for vibration (3/8" stem only); 1 pt. or 3 pt. calibration, Hi-Vis™ Dial for bimet, sanitary Tri-Clamp® fittings, SS tag NOTE: Thermowells should be used whenever the stem or bulb would be exposed to pressure, corrosion, velocity, abrasion or shear forces. Thermowells also make it possible to remove the thermometer without losing pressure or the contents of the process. Tri-Clamp® is a registered trademark of Alpha Laval Inc.