**NEW! Digi-Stem® DST500-FM Digital Thermometer**

Wahl’s **NEW!** DST500-FM RTD Thermometer System features Factory Mutual approval. The DST500-FM when used with the Wahl DSA3060 (Tadiran model TL-2200) battery, carries hazardous location approval for US and Canada, and is suitable for use in the following locations:

**Intrinsically Safe**
- IS/CL I, II, III / DIV 1 / GP ABCDEFG / T4A Ta = 70°C; Type 4X
- CL I, II, III / DIV 2 / GP ABCDEFG / T4A Ta = 70°C; Type 4X

The DST500-FM thermometer system offers high-precision temperature measurement technology with system accuracy from ±0.3°F. Adjustable sample rate extends battery life up to 10 years at 10 second sample rate. Optional 90° elbow allows Back, Left or Right Angle configuration.

**Specifications**

- **Model:** DST500-FM
- **Meter Range:** -328° to 1472°F (-200° to 800°C)
- **Scale:** User Selectable for °F or °C
- **Meter Accuracy:** ± 0.1°F/C, over 1-year period (@ Tamb = 23°C ± 5°C)
- **Meter and Probe Accuracy:**
  - °C Temp < 300°C = ± 0.15 + 0.2% of reading,
  - Temp > 300°C = ± 0.25 + 0.5% of reading;
  - °F Temp < 572°F = ± 0.27 + 0.2% (reading-32),
  - Temp > 572°F = ± 0.45 + 0.5% (reading-32)
- **Display:** 1.0” 4-digit LCD display with icons for °F, °C and Low Battery
- **Display Resolution:** 0.1°F/C; 1°F above 999.9°F
- **Sample/Display Rate:** 2 seconds standard, adjustable in .25 second intervals from .25 to 10 seconds
- **FM Approved For Hazardous Locations:** IS/CL I, II, III / DIV 1 / GP ABCDEFG; T4A Ta = 70°C; Type 4X
- **Ambient Operating Environment:** -40° to 158°F (-40° to 70°C), 10% to 100% RH non-condensing, Vibration - MIL STD 202G
- **Ambient Temperature Coefficient:** Maximum of 0.003°F/°C over Ambient Operating Temperature Range from 23°C ± 5°C
- **Enclosure Weight / Dimensions:** Stainless Steel and Polycarbonate (NEMA 4X), Weight: 2 lbs.(1kg), Dimensions: 5.3” W x 4.3” H x 2.7” D (13.5 x 10.9 x 6.9 cm).
- **Sensor/Probe:**
  - Sensor - 4-wire RTD, R0 = 100Ω, Alpha = .00385 Ω/Ω/°C
  - 304 or 316 Stainless Steel Probe construction
  - Fixed茎 Probes with optional 90° Elbow
- **Battery:** 1-Lithium Thionyl Chloride “C” Battery, DSA3060 (Mfg Tadiran TL-2200)
- **Battery Life:** 4 yrs nominal at 2 second update interval

**Additional Features**

- Exclusive Adjustable Meter Display Update Rate
- Programmable R0 probe compensation for increased accuracy
- Optional 90° Elbow for Back, Left or Right Angle Connection
- User Selectable °F or °C
- Ambient operation from -40°F to 158°F (-40° to 70°C)
- Tamper Resistant - all adjustments require software

**ISO 9001:2008 CERTIFIED QUALITY MANAGEMENT SYSTEM**

**Contact Information**

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Register your product at www.palmerwahl.com/register

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