

## 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  $\pm 0.3^\circ\text{F}$ .

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.

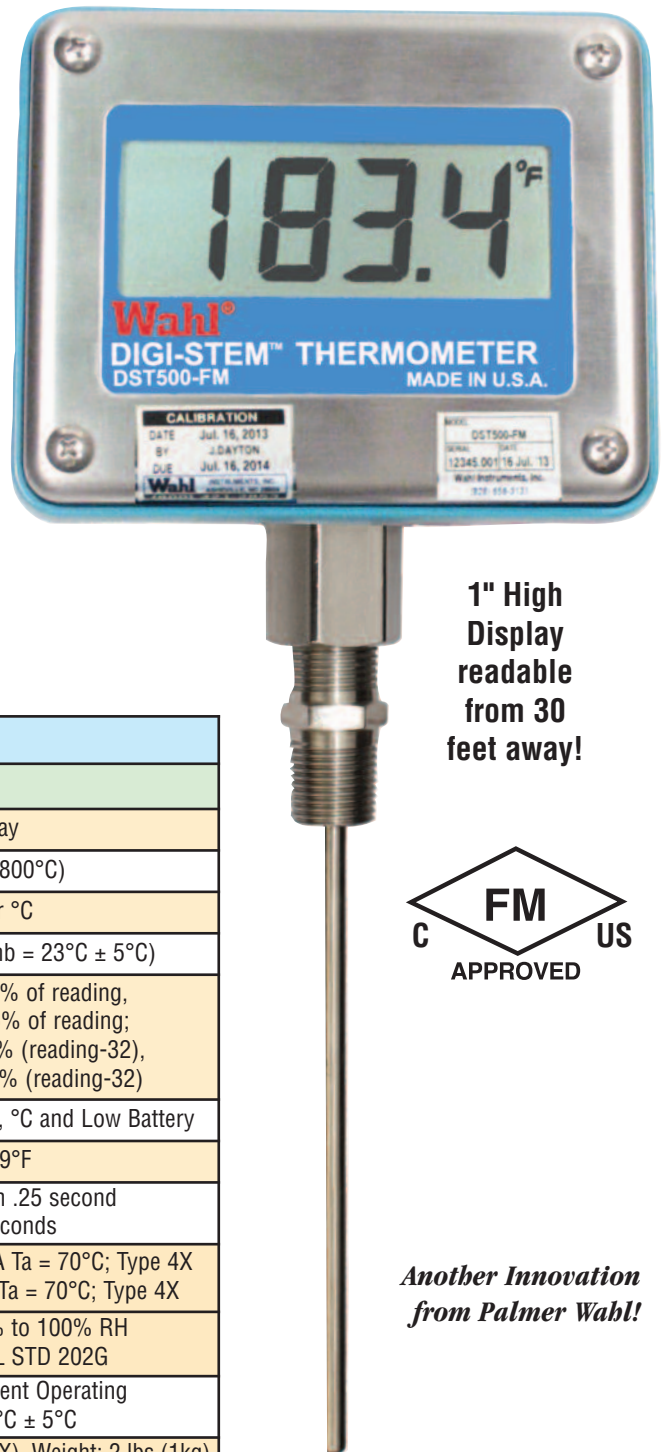
### Additional Features

- 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

DST500-FM RTD METER SPECIFICATIONS	
Model	DST500-FM Meter with Local Display
Meter Range	-328° to 1472°F (-200° to 800°C)
Scale	User Selectable for °F or °C
Meter Accuracy	$\pm 0.1^\circ\text{F}/^\circ\text{C}$ , over 1-year period (@ Tamb = 23°C $\pm$ 5°C)
Meter and Probe Accuracy	°C Temp < 300°C = $\pm 0.15 + 0.2\%$ of reading, Temp > 300°C = $\pm 0.25 + 0.5\%$ of reading; °F Temp < 572°F = $\pm 0.27 + 0.2\%$ (reading-32), Temp > 572°F = $\pm 0.45 + 0.5\%$ (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 CL I, II, III / DIV 2 / 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°/°C over Ambient Operating Temperature Range from 23°C $\pm$ 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 = 100 $\Omega$ , Alpha = .00385 $\Omega/\Omega/^\circ\text{C}$ • 304 or 316 Stainless Steel Probe construction • Fixed Stem 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

Specifications subject to change without notice. Contact Customer Service for copy of certifications.

Register your product at [www.palmerwahl.com/register](http://www.palmerwahl.com/register)



1" High Display readable from 30 feet away!



Another Innovation from Palmer Wahl!



Continued Innovation Since 1836  
ISO9001:2008 CERTIFIED