

Handheld Precision RTD Thermometer

Series ATFX 392, 492 & 592

Accuracy ($\pm 0.5^{\circ}\text{F}$ & $\pm 0.3^{\circ}\text{C}$)

- **Switchable $^{\circ}\text{F}$ and $^{\circ}\text{C}$ temperature ranges from -150°F through 900°F and -100°C through 500°C**
- **Total Unit Accuracy — Instrument and probe combined-maximum error $\pm 0.5^{\circ}\text{F}$ or $\pm 0.3^{\circ}\text{C}$ throughout the range**
- **NIST traceable**
- **Four-point calibration certificate**
- **Dust-tight and water submersible**
- **Conforms to European standards for electromagnetic compatibility (EMC) and electrostatic discharge (ESD)**
- **Ten-year lithium battery life**
- **Microprocessor technology**

The Ashcroft® handheld precision RTD thermometer is designed for laboratory and quality assurance technicians' areas in general industrial and food processing industries. The platinum RTD sensors Pt100 and Pt1000 offer high accuracy and stable readings from -150 to 900°F (-100 to 500°C).



THERMOMETER SPECIFICATIONS

Temperature Ranges

(Switchable): *Series ATFX392*
 -60°F through 570°F
 -50°C through 300°C

Series ATFX492
 -60°F through 750°F
 -50°C through 400°C

Series ATFX592
 -150°F through 900°F
 -100°C through 500°C

Instrument Accuracy Including Probe:

$\pm 0.5\% \text{F}$, $\pm 0.3^{\circ}\text{C}$

Resolution: 0.1°F and 0.1°C

Probe Sensor: *Series ATFX392*-Pt1000
Series ATFX492-Pt1000
Series ATFX592-Pt100

Sampling Rate:

Approx. every 1.5 sec

Minimum Insertion:

Lower 0.80" from tip

Storage Temperature:

14°F to 140°F

Battery Type: Lithium 3.6V

Battery Life: 10 years (calculated with 8 hours of operation per day)

Enclosure: Dust-tight/submersible to IP67 specifications

Case Material: ABS thermoplastic

Case Size: 4.3"H x 2.1"W x 0.8"D

THERMOMETER FUNCTIONS

THERMOMETER FUNCTIONS	Series ATFX-392	Series ATFX-492	Series ATFX-592
On/Off	•	•	•
Temperature Stability Indication	•	•	•
Self-Diagnostic Test	•	•	•
Measurement System Test	•	•	•
Malfunction Display	•	•	•
Automatic Shutoff	•	•	•
Low Battery Indication	•	•	•
Min./Max. Memory		•	•
Hold		•	•
Clear		•	•
PROBE STYLES			
SS Blunt Probe (approx. 5')	•	•	•
SS Pointed Probe (approx. 5')	•	•	•
SS Probe with Glass Sheath (approx. 7 1/2')	•	•	•
SS Penetration Probe with Handle and Teflon Cable (cable 4') (probe approx. 5')	•	•	

TO ORDER THIS RTD THERMOMETER:

PROBE TYPE	PART NUMBER		
	1. Instrument and SS Blunt Probe	ATFX392	ATFX492
2. Instrument and SS Pointed Probe	ATFX392S	ATFX492S	ATFX592S
3. Instrument and SS Probe with Glass Sheath	ATFX392GL	ATFX492GL	ATFX592GL
4. Instrument and SS Penetration Probe with Cable	ATFX392SKW	ATFX492SKW	—

Reference Bulletin RTD-1

Consult factory for guidance in product selection
 Phone (203) 378-8281, FAX (203) 385-0499 or
 visit our web site at www.ashcroft.com