

Device Maintenance

Battery Replacement

- Materials:
- Small Phillips Head Screwdriver
- Replacement Battery (LTC-7PN)

- Puncture the center of the back label with the screw driver and unscrew the enclosure.
- Remove the battery by pulling it perpendicular to the circuit board.
- Insert the new battery into the terminals and verify it is secure.
- Screw the enclosure back together securely.

Note: Be sure not to over tighten the screws or strip the threads.

Battery Warning

WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT SHORT CIRCUIT, CHARGE, FORCE OVER DISCHARGE, DISASSEMBLE, CRUSH, PENETRATE OR INCINERATE. BATTERY MAY LEAK OR EXPLODE IF HEATED ABOVE 80°C (176°F).

Recalibration

The RTDTemp101 or RTDTemp110 standard calibration is two points, 50T and 150T.

Pricing:

Recalibration traceable to NIST \$60.00
 Recalibration \$40.00

Additional:

As Found Data \$15.00
 Additional Points \$15.00 per point

To send the devices back, visit www.madgetech.com, select Services then RMA Process.

Part Number	RTDTemp101	RTDTemp110
Temperature Sensor	External: 2, 3 or 4 wire 100 Ω platinum RTD	
Temperature Range	-200 to +850°C	
Temperature Resolution	0.01°C	
Calibrated Accuracy	$\pm 0.05^\circ\text{C}$	$\pm 0.1^\circ\text{C}$
Memory	21,845/channel	
Sample Rate	2 seconds up to 12 hours	
LED Indicator	Red	
Required Interface Package	IFC110 or IFC200	
Baud Rate	2,400	57,600
Typical Battery Life	1 year	10 year
Operating Environment	-40 to +80°C, 0 to 95%RH (Non-Condensing)	
Material	ABS plastic	
Dimensions	1.4" x 2.5" x 0.6" (36mm x 64mm x 16mm)	1.7" x 2.7" x 0.8" (44mm x 69mm x 21mm)
Approvals	CE	

RTDTemp101 and RTDTemp110



RTDTemp101
 RTD Based Temperature Recorder

RTDTemp110
 RTD Based Temperature Recorder with 10 Year Battery Life

*Specifications subject to change.
 See MadgeTech's terms and conditions at www.madgetech.com*

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