

Spectrum Factory Testing of Rail Heating Products

QUALITY | RELIABILITY | AVAILABILITY



Spectrum Factory Testing

All Flat Jacket, Crib Heaters and Control Panels are 100% checked in the factory, assuring that all heaters and panels are working properly when shipped and received by our customers.

Flat Jacket and Crib Heater Testing

- Resistance Check
- Insulation resistance check (Meg Check)
- Dielectric Test (Hi-Pot Test)
- Wattage Check
- Hydro-Test. Fully submerge the Flat Jacket heater and all leads in a pressurized water tank (60psi) for 60 minutes
- Apply energy and check for hot or cold spots in heater
- Dimensional Check-Diameter and Length

- Certification available according to AAR- Association of American Railroad Standards

Control Panel Testing

- Test Voltage (Power)
- Test Signals (Control)
- Circuit Evaluation
- Sequence of Operation
- GFI Testing

Certified Flat Jacket Heater Test Results Performed in Accordance with A.A.R. Electrical Manual Section 11, Chapter 2, Part 4, Paragraph 10 or MW-68 Issue #5 Parts A B

Customer: _____		PO#: _____		ELEMENT SPECS:							
Order / Job Number: _____				Point: _____		Watts/Ft: _____		Lead Length: _____			
Item Number: _____				Heel: _____		Watts/Ft: _____		Lead Length: _____			
Total Watts: _____		(+10%)/ _____		(-5%) _____		Sheath Material: _____		Diameter: _____			
Volts: _____		Amps: _____		A.C. Collar: _____		Yes _____		No _____			
Housing Type: (circle one provided)				HI-POT Test (dielectric): _____		Volts: _____					
<small>Non-Separable _____</small> <small>NS=Molded Neoprene</small> <small>E=Epoxy Encapsulated</small>		<small>Separable:</small> <small>S1=Flat Cap</small> <small>Nut S2 = 1/2" NPT Connector</small> <small>S3 = 5/8" Hose Connector</small> <small>S4 = 5/8" Hose Connector</small>									
Heater Number	Check Stencil Ok?	Item B	Item C	Item D (Cold)			Item E (Hot)				
		Dielectric (P or F)	Wattage (Watts)	Immersion (C)	Dielectric (P or F)	Megger (Megohms)	Dielectric (P or F)	Megger (Megohms)	Measured Voltage	Measured AMPS	Hot OHMS
1											
2											
3											
4											
5											
Ordered: _____		Passed: _____		Inspector: _____		Date: _____					
Tested: _____		Rejected: _____		Official: _____		Date: _____					



Rail Heating Solutions to keep you on Track



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