



This form is meant to be used:

A) 1 sheet per circuit	The results of periodic tests of a single circuit are posted in vertical columns, beginning on the left and working toward the right. This allows easy comparison of test values for up to 7 test sequences on a single circuit.
B) 1 circuit per column	Test data for a single test sequence can be recorded on a single sheet.

**HEAT TRACE INSTALLATION RECORD**

Location	System	Project Number	Reference Drawing(s)
Trace Heater Number	Line Number	Area Classification	AIT/T-Classification
Panel Number	Location	Circuit Number	Circuit Amp/Voltage
Trace Heater Mfg	Heater Model	Trace Heater Wattage Unit Length/Voltage Rating	
Meghommeter Manufacturer/Model		Voltage Setting	Accuracy/Full Scale

Meghommeter date of last calibration

Multimeter Manufacturer/Model	Ohm Setting	Accuracy/Full Scale
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TRACE HEATER TESTING:	Test Value/Remarks	Date	Initials
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Note minimum acceptable insulation resistance should be 20 megaohms. Minimum acceptable test voltage is 500 Vdc. However 1000 Vc recommends for MI, 2500 Vdc for polymeric cables.			
1. Receipt of Material on Reel			
Continuity Test on Reel (see note 1)			

Insulation Resistance Test on Reel

2. Piping Completed (Approval to start heater installation)			
3. After Installation			
Continuity Test (See note 1)			
Insulation Resistance Test			

4. Trace heater installed (approval to start thermal insulation installation)

Trace heater correctly installed on pipes, vessel or equipment			
Trace heater correctly installed at valves, pipe supports, other heat sinks			
Comonents correctly installed and terminated (power, tee, end seal)			
Installation agrees with manufacturers instructions and circuit design			

5. Thermal Insulation Installation Complete

Continuity Test (See note 2)			
Insulation Resistance Test (5 megohm min)			

SYSTEM INSPECTED

6. Tagging & Identification Complete (Panel, Field Components, Pipe Decal)			
7. Trace heater effectively grounded			
8. Temperature Controls Properly Installed & Set Points Verified			

9. Ex-Proof Seals Poured			
10. Thermal Insulation Weathertight (all penetrations sealed)			
11. End Seals, Covered Splices Marked on Insulation Outer Cladding			
12. Drawings, Documentation Marked As-Built			
Performed by	Company	Date	
Witnessed by	Company	Date	
Accepted by	Company	Date	
Approved by	Company	Date	

NOTES

1-Minimum acceptable insulation resistance should be 20 megohm. Minimum acceptable test voltage is 500 Vdc.

However, 1000 Vdc recommend for MI, 2500 Vdc for polyeric trace heaters.

2- Continuity test on self-regulating trace heater only used for short or open circuit.

The Heat Trace Installation Record can be used to monitor the initial installation and check out process. This form can be used in conjunction with the Periodic Inspection Record.