

MODIFICATION RECOMMENDED

**N8481H-02**

**S E R V I C E N O T E**

Supersedes:  
NONE

**N8481H – Thermocouple Power Sensor**

**Serial Numbers: MY48000000 / MY50029999**

**“Cal error” message generated when power reference calibration is being carried out at low temperature (0 – 3 degree Celsius)**

**Parts Required:**

P/N	Description	Qty.
NONE		

**ADMINISTRATIVE INFORMATION**

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	X ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS	LABOR: 0.5 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE X SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP X SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP X SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: 31-January-2011	
AUTHOR:	LCH	PRODUCT LINE: WC	
ADDITIONAL INFORMATION:			

© AGILENT TECHNOLOGIES, INC. 2010  
PRINTED IN U.S.A.

February 5, 2010

Rev. 17



**Situation:**

If your application requires the N8480 Series thermocouple power sensor to operate in low temperature environment, “cal error” message may be observed. To confirm, please perform the following steps and see if the symptom can be duplicated:

1. Connect the N8480 Series thermocouple power sensor to the power meter.
2. Connect the RF input of the power sensor to the power reference of the power meter.
3. Do not turn on the power meter. Place both the power meter and N8480 Series thermocouple power sensor in low temperature (0 – 3 degree Celsius) environment for more than 1 hour.
4. After 1 hour, turn on the power meter.
5. Under the same environment, perform power reference calibration.
6. “Cal error” message will be generated by the power meter.

**Solution/Action:**

If “cal error” message is generated after performing the steps above, please return the power sensor back to Agilent for modification which will eliminate this symptom.