

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

SUPERSEDES: NONE

**34901A 20-Ch Armature Multiplexer Module**  
**34902A 16-Ch Reed Multiplexer Module**  
**34908A 40-Ch Single-Ended Multiplexer**

Serial Numbers: See Below

**Internal Reference Junction Temperature Sensor Improvement****Duplicate Service Notes:**

34901A-02: US37000000/US37021140

34902A-04: US37000000/US37004897

34908A-02: US37000000/US37003546

**To Be Performed By:** Agilent-Qualified Personnel**Situation:**

U151 and U152 (Dallas DS1620S) may drift with humidity. Serial numbers listed above contain the Dallas temperature sensor. A large drift will cause the module card to be out of calibration if utilizing the internal reference junction.

**NOTE:**

This only affects customers making thermocouple temperature measurements with the internal reference junction.

*Continued*

DATE: May 2000

## ADMINISTRATIVE INFORMATION

|                                 |   |                    |  |             |  |
|---------------------------------|---|--------------------|--|-------------|--|
| SERVICE NOTE CLASSIFICATION:    |   |                    |  |             |  |
| <b>MODIFICATION RECOMMENDED</b> |   |                    |  |             |  |
| ACTION CATEGORY:                | <input type="checkbox"/> IMMEDIATELY<br><input checked="" type="checkbox"/> ON SPECIFIED FAILURE<br><input type="checkbox"/> AGREEABLE TIME | STANDARDS:         | LABOR 1.0 Hours  |             |  |
| LOCATION CATEGORY:              | <input type="checkbox"/> CUSTOMER INSTALLABLE<br><input type="checkbox"/> ON-SITE<br><input checked="" type="checkbox"/> SERVICE CENTER     | SERVICE INVENTORY: | <input type="checkbox"/> RETURN<br><input type="checkbox"/> SCRAP<br><input type="checkbox"/> SEE TEXT | USED PARTS: | <input type="checkbox"/> RETURN<br><input type="checkbox"/> SCRAP<br><input type="checkbox"/> SEE TEXT |
| AVAILABILITY:                   | PRODUCT'S SUPPORT LIFE  |                    | AGILENT RESPONSIBLE UNTIL: May 2002  |             |  |
| AUTHOR: DAA                     | ENTITY: 0940  |                    | ADDITIONAL INFORMATION:  |             |  |



**Solution / Action:**

Due to this possible drift, the sensor was changed to a new part (DS75). The repair strategy for the modules is replacement.

**Field:** A replacement can be ordered on an IO (internal order).

**Customers:** Contact your local Service Center for a replacement.

**Part information:**

| <b>Temperature Sensor Part #</b> | <b>Description</b> |
|----------------------------------|--------------------|
| 1821-2382                        | Dallas DS1620S     |
| 1821-4861                        | DS75               |