

Appendix A

PERFORMANCE VERIFICATION TEST RECORD

This record can be used to record the results of measurements made during the performance verification of the HFP2500 High Frequency Probe.

Photocopy this page and record the results on the copy. File the completed record as required by applicable internal quality procedures.

The section in the test record corresponds to the parameters tested in the performance verification procedure. The numbers preceding the individual data records correspond to the steps in the procedure that require the recording of data. Results to be recorded in the column labeled "Test Result" are the actual specification limit check. The test limits are included in all of these steps. Other measurements and the results of intermediate calculations that support the limit check are to be recorded in the column labeled "Intermediate Results".

Permission is granted to reproduce these pages for the purpose of recording test results.

Probe Model: HFP2500

Serial Number:

Asset or Tracking Number:

Date:

Technician:

EQUIPMENT USED:

	MODEL	SERIAL NUMBER	CALIBRATION DUE DATE
OSCILLOSCOPE			
DIGITAL MULTIMETER			
FUNCTION GENERATOR ¹			N/A

¹The function generator used in this Performance Verification Procedure is used for making relative measurements. The output of the generator is measured with a DMM or oscilloscope in this procedure. Thus, the generator is not required to be calibrated.

HFP2500 High Frequency Probe

HFP2500 TEST RECORD

Step	Description	Intermediate data	Test Result
Output Zero Voltage			
A-5	Output Zero Voltage (Test limit $\leq \pm 800 \mu\text{V}$)		_____ V
Offset Accuracy			
B-7	Power Supply Negative Output Voltage	_____ V	
B-10	Expected Negative Output Voltage	_____ V	
B-14	Measured Negative Output Voltage	_____ V	
B-16	Offset Error Voltage (Test limit $\leq \pm 10.8 \text{ mV}$)		_____ mV
B-21	Power Supply Positive Output Voltage	_____ V	
B-23	Expected Positive Output Voltage	_____ V	
B-26	Measured Positive Output Voltage	_____ V	
B-28	Offset Error Voltage (Test limit $\leq \pm 10.8 \text{ mV}$)		_____ mV
LF Attenuation Accuracy			
C-5	Generator Output Voltage	_____ V	
C-6	Expected Output Voltage, top range	_____ V	
C-8	Measured Output Voltage, top range	_____ V	
C-10	Gain Error , top range (Test limit $\leq \pm 1.0\%$)		_____ %
C-15	Generator Output Voltage	_____ V	
C-17	Expected Output Voltage, mid range	_____ V	
C-19	Measured Output Voltage, mid range	_____ V	
C-21	Gain Error , mid range (Test limit $\leq \pm 1.0\%$)		_____ %

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