

AP033 Performance Verification Test Record

This record can be used to record the results of measurements made during the performance verification of the AP033 Active 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.

Model: AP033

Serial Number: _____

Asset or Tracking Number: _____

Date: _____

Technician: _____

EQUIPMENT USED:

	MODEL	SERIAL NUMBER	CALIBRATION DUE DATE
OSCILLOSCOPE			
DIGITAL MULTIMETER			
LEVELLED SINE WAVE GENERATOR			
POWER METER (if used to level sine wave generator)			
FUNCTION GENERATOR ¹			N/A

¹ The function generator provides stimulus for making relative measurements. The output of the generator is measured with the DMM or scope in the procedure. Thus, the generator is not required to be calibrated.

AP033 PERFORMANCE VERIFICATION TEST RECORD

Serial #: _____

Date: _____

Step	Description	Intermediate Data	Test Result
Gain Accuracy			
A-7	Sine Wave Generator Output Voltage	_____ mV	
A-13	Probe Output Voltage	_____ mV	
A-15	X1 Gain Error (Test limit $\leq \pm 2\%$)		_____ %
A-18	Probe Output Voltage	_____ mV	
A-20	X10 Gain Error (Test limit $\leq \pm 2\%$)		_____ %
A-22	Expected Probe Output Voltage	_____ mV	
A-24	Measured Probe Output Voltage	_____ mV	
A-26	+10 Gain Error (Test limit $\leq \pm 2\%$)		_____ %
High Frequency Common Mode Rejection Ratio			
B-11	Probe Output Voltage at 250 MHz	_____ mV	
B-12	Differential Mode Gain at 250 MHz	_____	
B-21	Common Mode Signal at 250 MHz	_____ mV	
B-23	Common Mode Gain at 250 MHz	_____	
B-25	CMRR at 250 MHz (Test Limit $\geq 5:1$)		_____ :1
Low Frequency Common Mode Rejection Ratio			
C-8	Common Mode Signal at 70 Hz	_____ mV	
C-9	CMRR at 70 Hz (Test Limit $\geq 3160:1$)		_____ :1
C-15	Common Mode Signal at 1 MHz	_____ mV	
C-16	CMRR at 1 MHz (Test Limit $\geq 1000:1$)		_____ :1