MODEL AVX-D-4A-PS-OP1-LIB

INSTRUCTIONS ADDENDUM

REAR PANEL CONTROLS

A "FRZ/ADJ" (Freeze/Adjust) switch has been added to the rear panel of the instrument. If the pulse width or delay is jumping between steps, the "FRZ/ADJ" switch can be used to stop the jumping. This switch is used in the LOCAL mode only. When the switch is in the "ADJ" position, the front panel delay and pulse width controls operate normally. When the switch is in the "FRZ" position, the front panel settings are "frozen" at their current setting. Adjusting the front panel controls when the switch is in the "FRZ" position will have no effect.

UPDATED CALIBRATION DATA - JAN 12/98

All time intervals are measured with the HP5370A Time Interval Counter, using 10000 averaged samples
Delays are measured between the rising edge of the "IN" pulse and the rising edge of the "A" or "B" output pulse.
All jitter measurements were performed with the HP5370A, using the standard deviation of 10000 samples
The delay generator is triggered with a AV-1000-C pulse generator, at 10kHz.
The delay generator settings were programmed from the GPIB.

S/N 8132

	Setting (µs)	Measured (µs)	|Measured Deviation| (µs)	Allowed Deviation (µs)	RMS Jitter (ps)
Delay	1.500	1.50	0.00	0.12	62
with	5.000	4.96	0.04	0.18	138
A=5	10.00	10.00	0.00	0.25	235
B=5	15.00	14.97	0.03	0.33	320
	20.00	19.98	0.02	0.40	417
	25.00	25.03	0.03	0.48	515
	30.00	30.06	0.06	0.55	609
PW A	0.500	0.493	0.007	0.040	45
with	1.000	1.021	0.021	0.055	62
D=1.5	2.00	2.071	0.071	0.085	83
B=5	3.00	3.073	0.073	0.115	111
	4.00	4.046	0.046	0.145	139
	5.00	4.960	0.040	0.175	155
PW B	0.500	0.494	0.006	0.040	52
with	1.000	1.021	0.021	0.055	56
D=1.5	2.00	2.067	0.067	0.085	79
A=5	3.00	3.065	0.065	0.115	99
	4.00	4.033	0.033	0.145	132
	5.00	4.950	0.050	0.175	147