

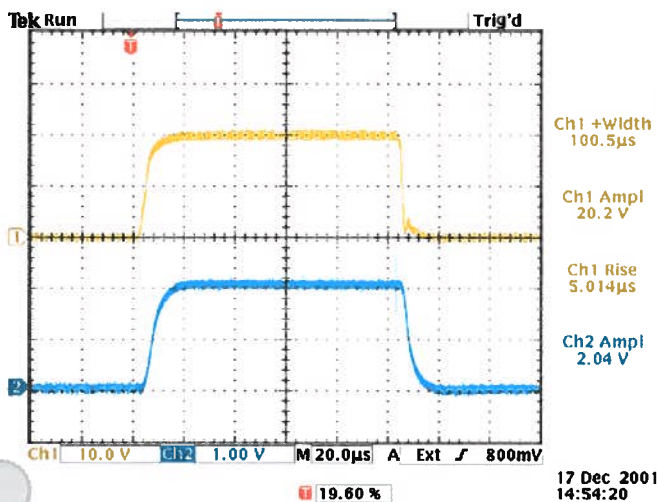
PULSE GENERATOR

PERFORMANCE CHECK

Model: AV-108A-3-B-P

S.N.: 10075

Date: December 17, 2001



a) Output Signal Amplitude: 0 to +200A

b) Pulse Width: 10 us - 1 ms

c) Rise Time: ≤ 7 us

d) Fall Time: ≤ 7 us

e) PRF: 1 - 1000 Hz

f) Jitter, Stability: OK

g) Prime Power: 120/240V AC, 50-60 Hz,

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"-B" Functional Test & Calibration Certificate

Date of test:	December 17, 2001				Tester:	MJC
Programmed model name:	AV-108A-3-B-P					
Programmed serial number:	10075					
Firmware revision:	2.33					
Internal trigger checked at:	1 Hz	10 Hz	100 Hz	1 kHz		
Actual measured output ¹ :	0.998 Hz	10.00 Hz	99.9 Hz	0.999 kHz		
External trigger checked:	yes			Gate checked:	yes	
Manual trigger checked:	yes					
Pulse compression checked:	yes		Low Amplitude PW Distortion Nulled:			
Pulse width checked at:	10 us	100 us	1 ms	10 Hz, 200A		
Actual measured output ² :	10.01 us	100.4 us	1.003 ms	into 0.1 Ohms		
PWin = PWout mode checked:	yes			DC mode checked:	N/A	
Duty Cycle Limit:	1%					
Delay nulled:	yes, at TTL trigger point					
Delay checked at:	10 us	100 us	1 ms	10 Hz, at TTL		
Actual measured output ¹ :	10.01 us	100.2 us	1.002 ms	trigger		
Double pulse checked:	N/A					
Invert mode checked:	N/A					
ECL/TTL modes checked:	N/A					
Zout switch checked:	N/A					
Amplitude checked at:	+20 A	+50 A	+100 A	+200 A	10 Hz, 100us	
Actual measured output ² :	+20.1 A	+50.0 A	+100.4 A	+200.0 A	into 0.1 Ohms	
Amplitude polarity:	+					
Zout calibration:	N/A					
Electronic amplitude control:	N/A					
External amplify mode:	N/A					
Ultravolt flux removed:	N/A					
Monitor V/I Ratio:	0.01 V/A	Monitor offset nulled:			N/A	
LCD Monitor calibrated:	yes					
Offset checked at:	N/A					
Actual measured output ² :	N/A					
Offset nulled (output on):	yes			Amplitude-dependent offset nulled:		
Offset nulled (output off):	N/A					
RS-232 checked:	yes					
Sync pulse width checked:	200 ns					
Circuit Boards:	PS:	93	Main:	108B		
Overload Trigger Resistance:	Trips at:	N/A	Installed:	2.4 k		
DC fuses:	Positive:	2A	Negative:	N/A		
AC Current at 115 VAC:	Quiescent:	0.54A	Max. Load:	1.15A		
AC fuse:	1.5A					
120/240V operation:	OK					
Photographed:	yes					

¹ Checked with: Fluke PM6681 Counter, referenced to Datum ExacTime 9390-6000 GPS Frequency Reference

² Checked with: Tektronix TDS3052 digital oscilloscope for PW ≥ 5 ns,
 Tektronix 7704A/7S11/7T11/S4 sampling oscilloscope system for PW < 5 ns.