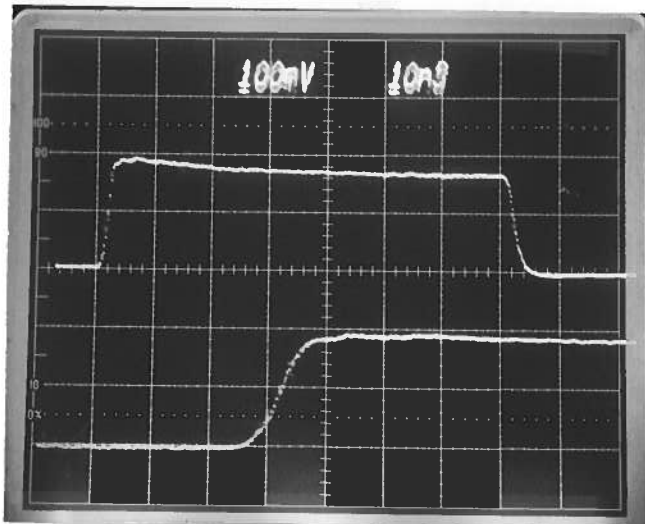


PULSE GENERATOR
PERFORMANCE CHECK

Model: *AVL-2A-B-P*

S.N.: *9415*

Date: *AUG 14 2000*



- a) Output signal amplitude:
0 TO +170 VOLTS
- b) Pulse width: *(TO 50ns)*
3 TO 100ns
- c) Rise time:
≤ 2ns
- d) Fall time:
≤ 2ns
- e) PRF:
0 TO 5KHz
- f) Jitter, stability:
OK
- g) Prime power:

60 dB ATTN.: 100V/DIV

TOP: 10 ns/DIV

BOT: 2 ns/DIV (RISE TIME)

PRF ≈ 5 KHz

120/240V
50-60 Hz

[Signature]



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 U.S.A. 13669-0265
 TEL: (315) 472-5270
 FAX: (613) 226-2802

TEL: 1-800-265-6681
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P.O. BOX 5120 STN. F
 OTTAWA, ONTARIO
 CANADA K2C 3H4
 TEL: (613) 226-5772
 FAX: (613) 226-2802

"-B" Functional Test & Calibration Certificate

Date of test:	August 14, 2000				Tester:	MJC
Programmed model name:	AVL-2A-B-P					
Programmed serial number:	9415					
Firmware revision:	2.21					
Internal trigger checked at:	1 Hz	10 Hz	50 Hz	500 Hz	5 kHz	
Actual measured output ¹ :	0.995 Hz	9.95 Hz	49.8 Hz	498 Hz	4.99 kHz	
External trigger checked:	yes			Gate checked:	yes	
Trigger load resistor present:	yes					
Manual trigger checked:	yes					
Pulse compression checked:	yes					
Pulse width checked at:	3 ns	10 ns	30 ns	100 ns	5 kHz, 170V, into 50 Ohms	
Actual measured output ² :	3.0 ns	10.1 ns	31.5 ns	100 ns		
PWin = PWout mode checked:	N/A			DC mode checked:	N/A	
Duty Cycle Limit:	N/A					
Delay nulled:	yes					
Delay checked at:	200 ns	500 ns			5 kHz, 170V, into 50 Ohms	
Actual measured output ¹ :	211 ns	517 ns				
Double pulse checked:	N/A					
Invert mode checked:	N/A					
ECL/TTL modes checked:	N/A					
Zout switch checked:	N/A					
PRF, PW, delay min-to-max check:	yes					
Amplitude checked at:	20V	50V	100V	170V	5 kHz, 100 ns, into 50 Ohms	
Actual measured output ² :	20V	52V	102V	170V		
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:	N/A			Monitor offset nulled:		
LCD Monitor calibrated:	N/A			Monitor offset nulled:		
Mon. Single Pulse/Min PW OK:	N/A			SHA Cap:		
Offset checked at:	N/A					
Actual measured output ² :	N/A					
Offset nulled (output on):	N/A			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:	108		
Overload Trigger Resistance:	Trips at:	N/A	Installed:	10k		
DC fuses:	Positive:	0.5A	Negative:	N/A		
AC Current at 115 VAC:	Quiescent:	0.37A	Max. Load:	0.4A		
AC fuse:	1A					
Photographed:	yes					

¹ Checked with: HP5370A Universal Time Interval Counter

² Checked with: Tektronix TDS360 digital oscilloscope for PW ≥ 5 ns,
 Tektronix 7704A/7S11/7T11/S4 sampling oscilloscope system for PW < 5 ns.