AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS ENGINEERING - MANUFACTURING

P.O. BOX 265 OGDENSBURG NEW YORK 13669 (315) 472-5270 BOX 5120. STN. "F"
OTTAWA. ONTARIO
CANADA K2C 3H4
TEL: (613) 226-5772
FAX: (613) 226-2802
TELEX: 053-4591

INSTRUCTIONS

MODEL AV-133-PS-R4-LIC PULSE AMPLIFIER

S.N.:

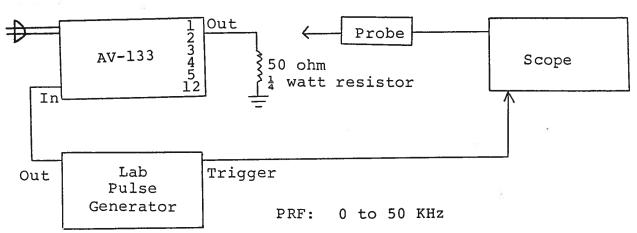
WARRANTY

Electrosystems Ltd. Avtech warrants products of manufacture to be free from defects in material workmanship under conditions of normal use. If, within year after delivery to the original owner, and after prepaid return by the original owner, this Avtech product is found to be defective, Avtech shall at its option repair or replace said defective item. This warranty does not apply to units which have been dissembled, modified or subjected to conditions exceeding the applicable specifications or ratings. This warranty is the extent of the obligation or liability assumed by Avtech with respect to this product and no other warranty or guarantee is either expressed or implied.

MODEL AV-133 PULSE AMPLIFIER

TEST ARRANGEMENT





PW: 2 to 50 nsec

TR: \$ 1 nsec

AMP: +1 volt

 Z_{OUT} : \leq 50 ohms

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Re: PO # 1MP-11982

BOX 5120 STN. "F" OTTAWA, ONTARIO CANADA K2C 3H4 (613) 226-5772 TELEX 053-4591

Fax No:	2339		Our Fax No:	613-226-2802		
To:	Lyons Instruments Ltd.		Your Ref No:		=	
	-		Our Ref:	*		
Attn:	Frank Horscroft		Date:	December 22/89		
From:	Avtech Electrosystems I	ıtd	Receivers Fax No:			
Subject:	Your fax of Dec 20th		No. pages faxed:	2	9	
We quot	e as follows:					
Model designation:		AV-133-PS-R4-LIC				
Input:		+1 volt pulse, 1 nsec. rise time, PW 3 to 6 nsec. 50 ohms input impedance.				
		12 identical outputs of +1 volt to 50 ohms with rise time less than 2.0 nsec. (typically 1 nsec.)				
Jitter:		Input to output \leq 100 psec. Output to output \leq 20 psec.				
Relative propagation delay:		12 channels matched to within + 1 nsec.				
PW:		Specifically designed for 3 to 6 nsec. but useful from 2 to 200 nsec.				
Package style:		$(4" \times 1$	Avtech style E but double width (4" x 16" x 12"). Supplied with 19" rack mount wings.			

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OTTAWA, ONTARIO
CANADA K2C 3H4
(613) 226-5772
TELEX 053-4591

Fax No:	2515	Our Fax No:	613-226-2802
To:	Lyons Instruments Ltd.	Your Ref No:	
		Our Ref:	
Attn:	Frank Horscroft	Date:	February 28, 1990 -
rom:	Avtech Electrosystems Ltd.	Receivers Fax No:	1
Subject:	Your fax of Feb. 26/90	No. pages faxed:	1

At this point in time we can only say that the absolute propagation delay is less than 5 nsec.

Rgds

W.J. Chudobiak Chief Engineer

WJC:sm

03.23.90

File in word as of Oct 16/97

File: C:\INSTRUCT\AV-\133PSR4L.DOC

Note: Tile mot adjusted in Word