



AVTECH ELECTROSYSTEMS LTD.  
NANOSECOND WAVEFORM ELECTRONICS

P.O. BOX 265  
OGDENSBURG, NY  
U.S.A. 13669-0265  
TEL: (315) 472-5270  
FAX: (613) 226-2802

BOX 5120 STN. F  
OTTAWA, ONTARIO  
CANADA K2C 3H4  
TEL: (613) 226-5772  
FAX: (613) 226-2802

INSTRUCTIONS

MODEL AVG-3A-COB1 IMPULSE GENERATOR

S.N.:

### WARRANTY

Avtech Electrosystems Ltd. warrants products of its manufacture to be free from defects in material and workmanship under conditions of normal use. If, within one 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 disassembled, modified or subjected to conditions exceeding the applicable specifications or ratings. This warranty is the extent of the obligation assumed by Avtech with respect to this product and no other warranty or guarantee is either expressed or implied.

### TECHNICAL SUPPORT

Phone: 613-226-5772 or 1-800-265-6681

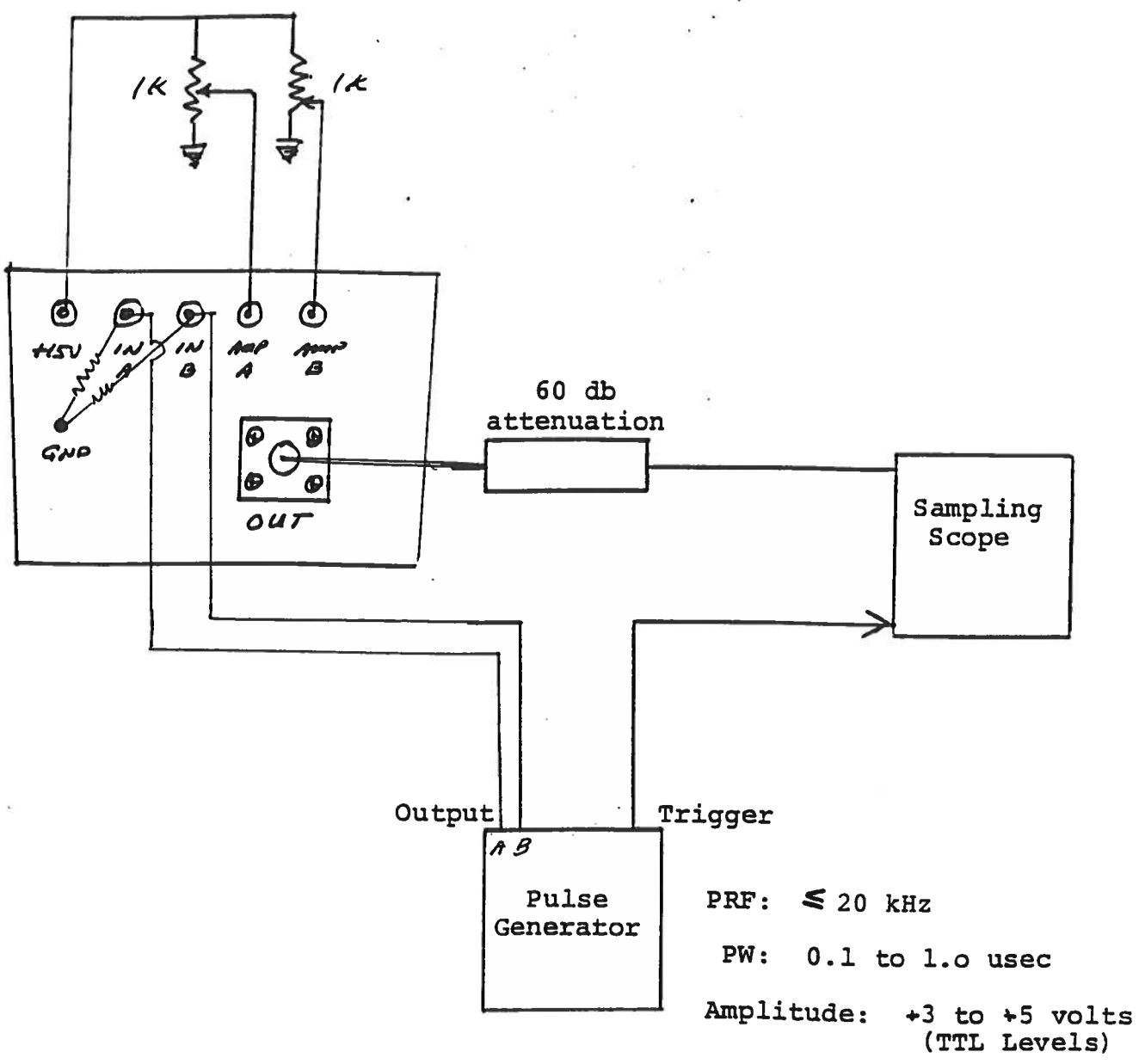
Fax: 613-226-2802 or 1-800-561-1970

E-mail: [info@avtechpulse.com](mailto:info@avtechpulse.com)

World Wide Web: <http://www.avtechpulse.com>

Fig. 1

GENERATOR TEST ARRANGEMENT



Notes:

- 1) The AVG-3A-COB1 contains two 450 Volt 8 ns impulse generators (A and B) and their outputs are combined via a self-contained power combiner and are available at the OUT SMA connector. The output amplitudes for the two impulses are controlled by the two user-supplied 1K pots (A and B). The time separation between the two impulses is controlled by the time separation of the TTL trigger pulses applied to IN A and IN B and may be as low as 10 ns. The IN A and IN B terminals should be shunted by 680 Ohms (to ground) to reduce the possibility of false trigger of the two channels.
- 2) The bandwidth capability of components and instruments used to display the pulse generator output signal (attenuators, cables, connectors, etc.) should exceed one gigahertz.
- 3) The use of 60 db attenuator will insure a peak input signal to the sampling scope of less than one volt.
- 4) In general, the pulse generator trigger delay control should be set in the 100 nsec. range. Other settings should be as shown in the above diagram. The impulse generator output is delayed with respect to the trigger input signal by about 70 nsec. (typically).
- 5) The impulse generator can withstand an infinite VSWR on the output port.
- 6) CAUTION: The unit may fail if the PRF exceeds 20 kHz.

10.20.92

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The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author outlines the specific steps for recording income and expenses. It is noted that income should be recorded as soon as it is received, while expenses should be recorded at the time of purchase. This practice helps in maintaining a clear and up-to-date financial picture.

The third part of the document provides a detailed explanation of how to calculate net profit. It involves subtracting total expenses from total income over a specific period. The author stresses that this calculation is crucial for understanding the overall financial health of the business.

Finally, the document concludes with advice on how to use the recorded data for future planning. It suggests that regular reviews of the financial records can help identify trends, anticipate challenges, and make informed decisions about the business's future.

The following table summarizes the key financial metrics discussed in the document. It shows the total income, total expenses, and the resulting net profit for the period.

Category	Amount
Total Income	10,000
Total Expenses	7,500
Net Profit	2,500

This data indicates that the business has achieved a positive net profit of 2,500 units. This result is a positive sign and suggests that the current operational strategy is effective. However, it is important to continue monitoring the financial performance to ensure long-term success.