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INSTRUCTIONS

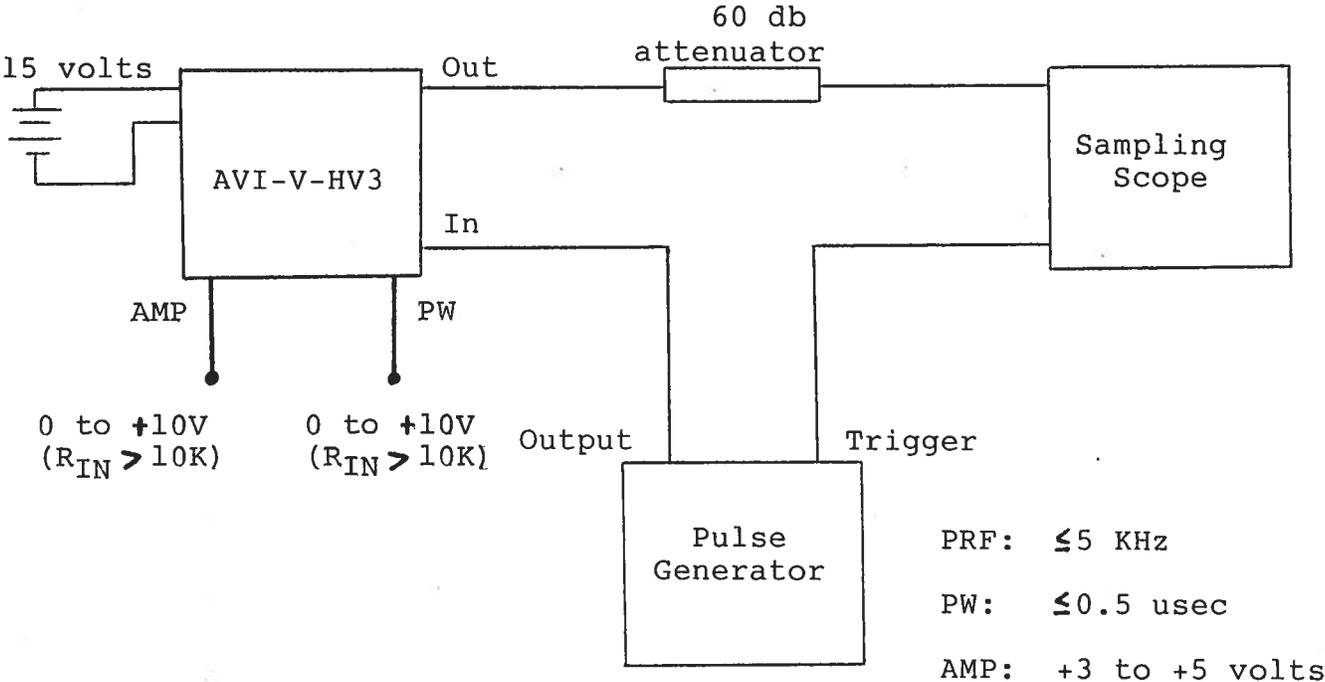
MODEL AVI-V-HV3-EW-EA PULSE GENERATOR

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 or liability assumed by Avtech with respect to this product and no other warranty or guarantee is either expressed or implied.

MODEL AVI-V-HV3 PULSE GENERATOR TEST ARRANGEMENT



Notes:

- 1) The bandwidth capability of components and instruments used to display the pulse generator output signal (attenuators, cables, connectors, etc.) should exceed 10 gigahertz.
- 2) The use of a 60 db attenuator will insure a peak input signal to the sampling scope of less than one volt.
- 3) In general, the source pulse generator trigger delay control should be set in the 0.1 to 1.0 usec. range. Other settings should be as shown in the above diagram.
- 4) The Model AVI-V-HV3 pulse generator can withstand an infinite VSWR on the output port.
- 5) WARNING: Model AVI-V-HV3 may fail if triggered at a PRF greater than 5 KHz.
- 6) The output pulse amplitude and pulse width are controlled by DC voltages (0 to +10V, $R_{IN} \geq 10K$) applied to the AMP and PW solder terminals (see Fig. 1).

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Notes:

- 1) The bandwidth capability of transducers and instruments used to identify the wave pattern output signal. Additionally, other connections etc. should extend to ground.
- 2) The use of a 50 ohm attenuator will require a base root signal for the resulting signal from one side.
- 3) In general, the source pulse generator trigger delay control should be set in the 0.1 to 1.0 msec range. Pulse settings should be as shown in the above diagram.
- 4) The Model 401-V-1000 pulse generator can withstand an average VBRP on the output port.
- 5) WARNING: Model 401-V-1000 may not be triggered at a rate greater than 2 kHz.
- 6) The output pulse amplitude and pulse width are controlled by voltage. $0.2 \text{ to } 100 \text{ V}$ for 100 ns and $10 \text{ to } 100 \text{ ns}$ for $10 \text{ to } 100 \text{ ns}$.