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ENGINEERING . MANUFACTURING**

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**INSTRUCTIONS**

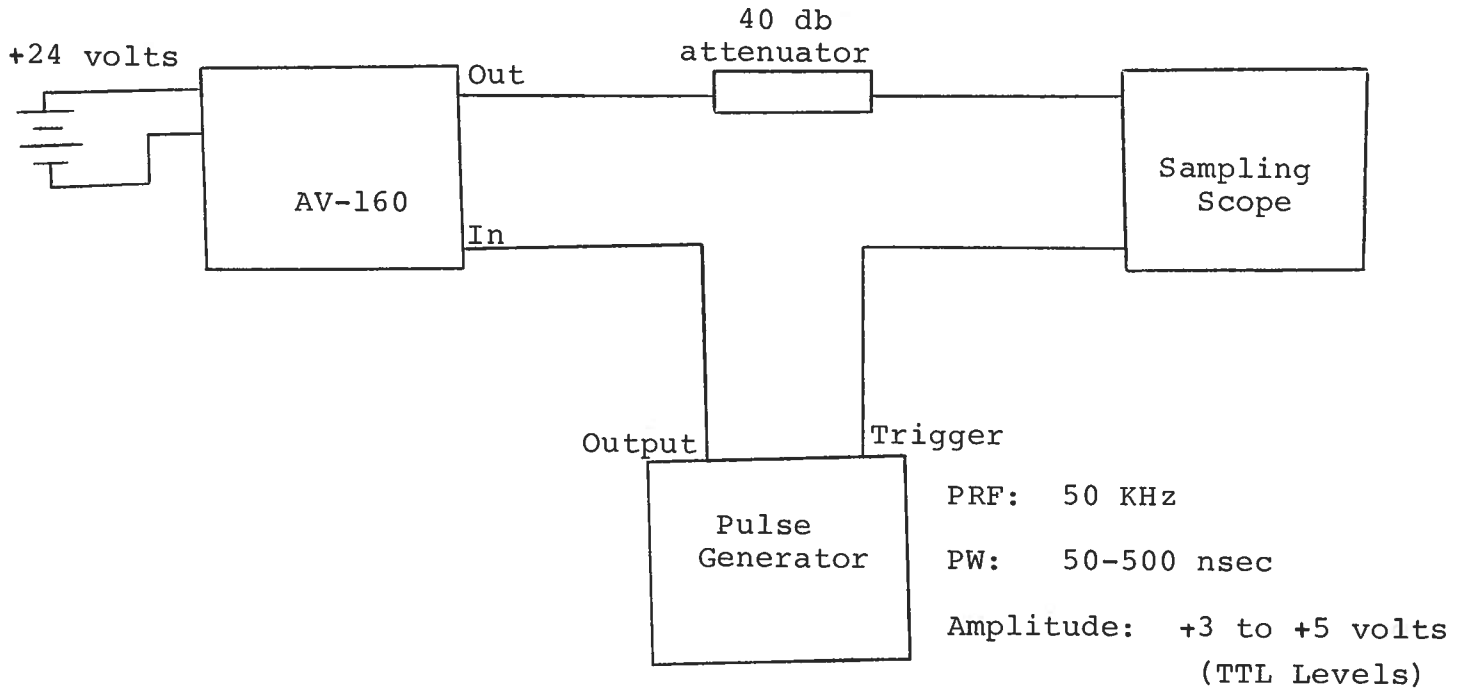
**MODEL AV-160 PULSE GENERATOR-DRIVER**

**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 AV-160 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 several hundred MHz.
- 2) The use of a 40 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) **WARNING:** Model AV-160 may fail if triggered at a PRF greater than 50 KHz.
- 5) The output amplitude is controlled by means of the one turn potentiometer (AMP).
- 6) The output pulse width is controlled by means of the one turn potentiometer (PW).
- 7) With the TR switch in the L position, the unit provides an output rise time of 200 psec. With the TR switch in the H position, the rise time is about 3 nsec.
- 8) The TF switch provides a fall time of 200 psec when in the L position and a fall time of 3 nsec when in the H position.
- 9) The required output DC offset voltage is applied to the rear panel DS solder terminals ( $\pm 50$  volts, 100 mA max).