

# INSTRUCTIONS

MODEL AV-121 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.

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-121 may fail if triggered at a PRF greater than 4 MHz.
- 5) The output amplitude is controlled by means of the one turn potentiometer (AMP).
- 6) The output pulse width is approximately equal to the input pulse width.
- 7) When triggering the AV-121 from a high speed lab pulse generator it may be necessary to shunt the input to the AV-121 by a 50 ohm resistor to eliminate reflection which may interfere with the operation of the lab pulse generator.