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

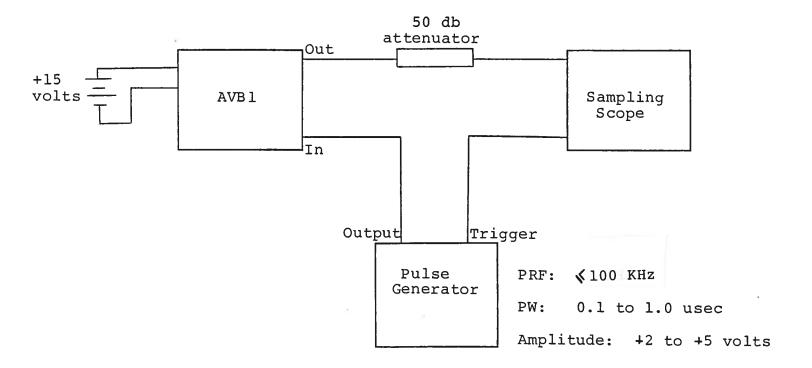
MODEL AVB1 MONOCYCLE GENERATOR

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 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.

MONOCYCLE GENERATOR TEST ARRANGEMENT



Notes:

- The bandwidth capability of components and instruments used to display the monocycle generator output signal (attenuators, cables, connectors, etc.) should exceed several gigahertz.
- 2) The use of a 50 db attenuator will insure a peak input signal to the sampling scope of less than one volt.
- 3) 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 monocycle generator output is delayed with respect to the trigger input signal by about 40 nsec (typically).
- 4) Fine tuning of the output frequency (and monocycle shape) may be achieved by means of the one turn TP and TN controls. TP controls the width of the positive swing while TN controls the width of the negative swing.
- 5) The monocycle generator can withstand an infinite VSWR on the output port.

sentor!

- In the bendentiff capability of comparents and instruments and instruments of the confer of comparents of the successions, capables, connectors, etc., should exceed several of gamerts.
- 2) Figure af a 50 db alienuaror will insure a peak input storal to the semuling scope of less than one york.
- 3) in gamerai, the pulse generally trigger delay confider singuld be set to the 100 near range. Other settlines should be at about in the above diagram. The modulities generator output is delayed with respect to the trigger input signal by about 40 near (typically):
- A) Fine tuning of the output formulancy find conflicted entracted dispersions to the one fixed the one of the controls. IP controls the eight of the pagety we cantrol to the magety we have the magety we not the magety we not the magety we not the magety of the magety
- 5. The monocycle goverator can willtetand an anathe Vawe on the output post.