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INSTRUCTIONS

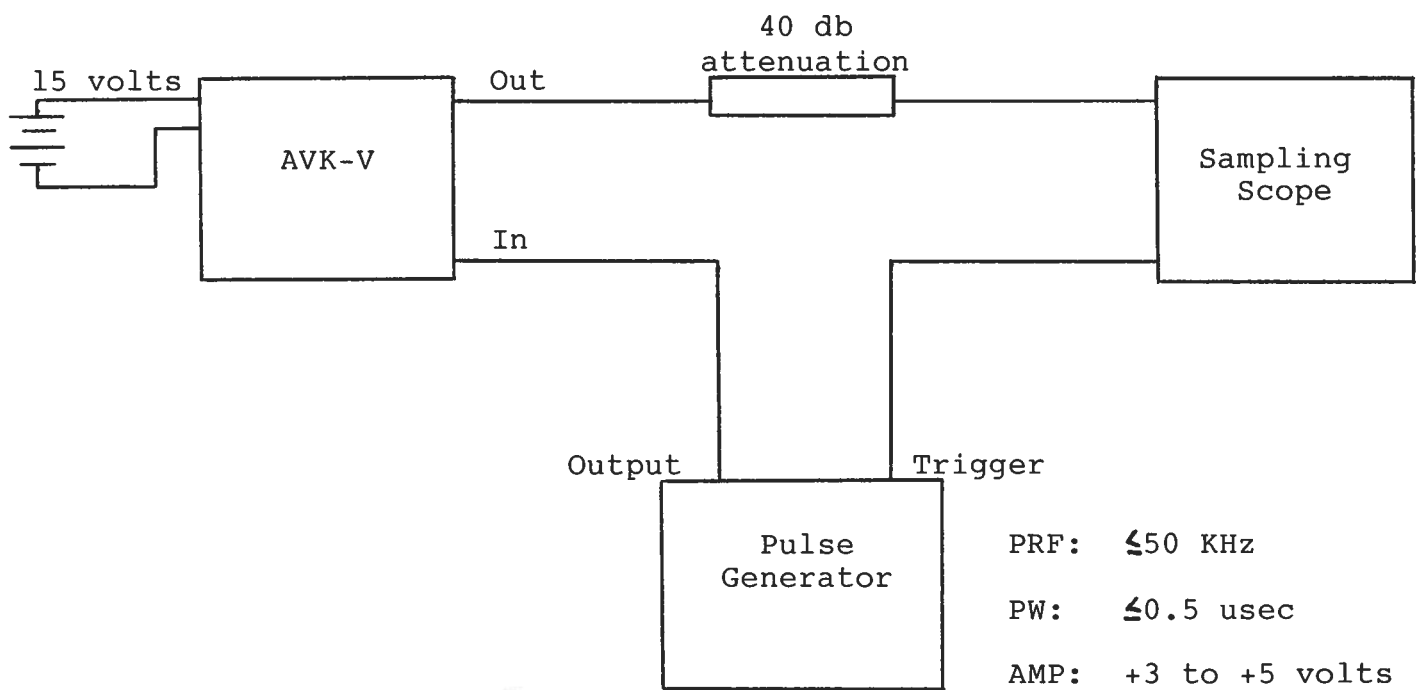
MODEL AVK-V PULSE GENERATOR

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 AVK-V 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 ten gigahertz.
- 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) The Model AVK-V pulse generator can withstand an infinite VSWR on the output port.
- 5) WARNING: Model AVK-V may fail if triggered at a PRF greater than 50 KHz.
- 6) The output pulse width is controlled by means of the one-turn potentiometer (PW). The pot should initially be set mid-range and the pulse width adjusted using an oscilloscope. The output will degenerate to an impulse and eventually vanish as the pot is turned fully counter-clockwise.
- 7) For models equipped with the DC offset option, the required DC output offset voltage is applied to the OS terminals (max voltage ± 50 volts).

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13 The first part of the report is devoted to a description of the
14 work done during the past year. It is divided into two main
15 sections, the first of which deals with the work done in the
16 laboratory and the second with the work done in the field.

17 The first section is devoted to a description of the work done
18 in the laboratory. It is divided into two main parts, the first
19 of which deals with the work done in the laboratory and the
20 second with the work done in the field.

21 The second section is devoted to a description of the work done
22 in the field. It is divided into two main parts, the first
23 of which deals with the work done in the field and the second
24 with the work done in the laboratory.

25 The third section is devoted to a description of the work done
26 in the field. It is divided into two main parts, the first
27 of which deals with the work done in the field and the second
28 with the work done in the laboratory.

29 The fourth section is devoted to a description of the work done
30 in the field. It is divided into two main parts, the first
31 of which deals with the work done in the field and the second
32 with the work done in the laboratory.

33 The fifth section is devoted to a description of the work done
34 in the field. It is divided into two main parts, the first
35 of which deals with the work done in the field and the second
36 with the work done in the laboratory. The work done in the
37 field is described in detail and the work done in the
38 laboratory is described in detail. The work done in the
39 field is described in detail and the work done in the
40 laboratory is described in detail.

41 The sixth section is devoted to a description of the work done
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