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INSTRUCTIONS

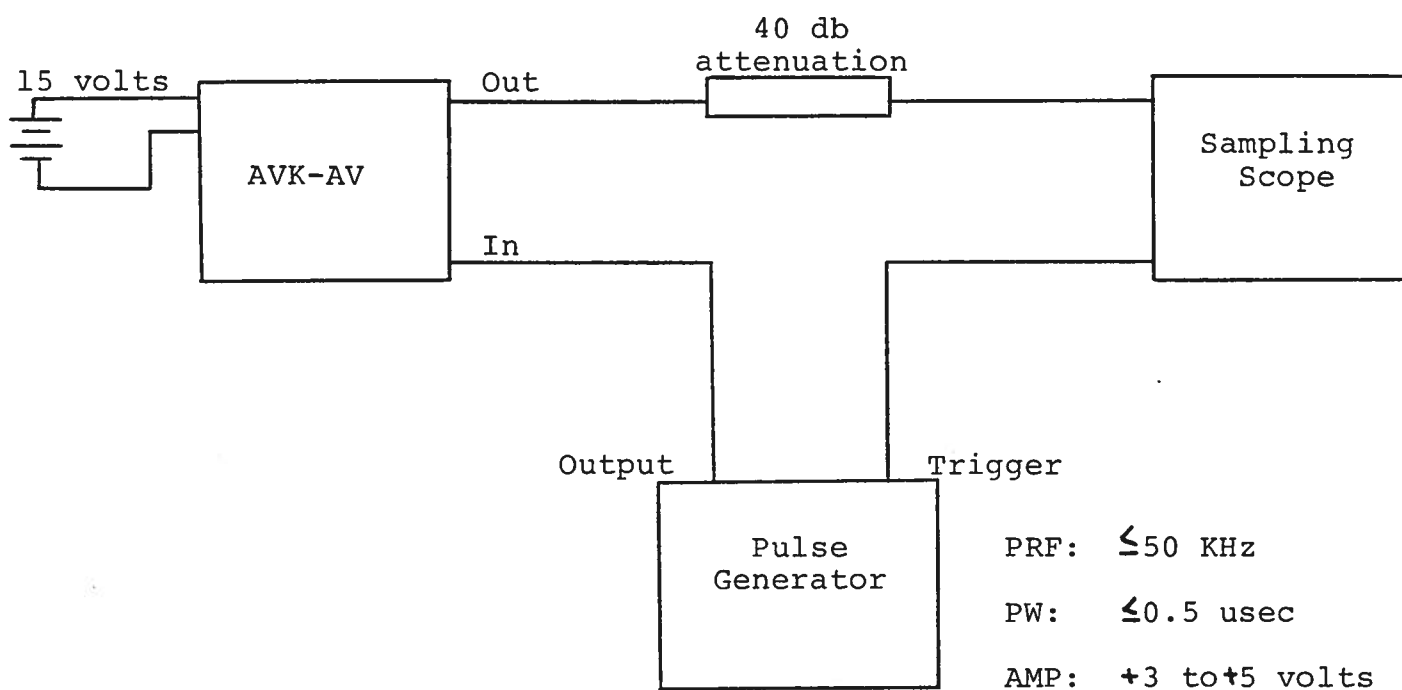
MODEL AVK-AV-EW PULSE GENERATOR

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-AV 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-AV pulse generator can withstand an infinite VSWR on the output port.
- 5) WARNING: Model AVK-AV may fail if triggered at a PRF greater than 50 KHz.
- 6) The output pulse width is controlled by means of 0 to +10 volts applied to the front panel PW solder terminal ($R_{IN} \geq 10K$). (The PW control is typically active over the range of +3.0 to +8.5 volts).
- 7) The output pulse amplitude is controlled by means of the one-turn potentiometer (AMP). The pulse width may reduce by several nanoseconds as the output amplitude is reduced from maximum to minimum.
- 8) Some properties of the output pulse may change as a function of the amplitude pot setting. For some demanding applications, it may be desirable to use a combination of external attenuators and the amplitude pot to achieve the desired output amplitude.
- 9) 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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- OS

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes the need for transparency and accountability in financial reporting.

2. The second part of the document outlines the various methods and techniques used to collect and analyze data. It highlights the importance of using reliable sources and ensuring the accuracy of the information gathered.

3. The third part of the document discusses the challenges and limitations of data collection and analysis. It notes that while technology has advanced significantly, there are still many obstacles to overcome, such as data quality and privacy concerns.

4. The fourth part of the document provides a detailed overview of the current state of research in this field. It identifies key areas of interest and discusses the progress made to date.

5. The fifth part of the document offers recommendations for future research and practice. It suggests that further efforts should be made to improve data collection methods and to address the challenges identified in the previous sections.

6. The sixth part of the document concludes with a summary of the main findings and a final statement on the importance of continued research and innovation in this field. It expresses confidence that the challenges ahead can be met with the right approach and resources.

7. The seventh part of the document provides a list of references for further reading and research. It includes a mix of academic papers, books, and other relevant sources that provide a comprehensive overview of the topic.

8. The eighth part of the document discusses the implications of the research for policy and practice. It suggests that the findings can be used to inform decision-making and to develop more effective strategies for data collection and analysis.

9. The ninth part of the document provides a final summary of the key points and a call to action for the research community. It encourages collaboration and the sharing of knowledge to advance the field and address the challenges ahead.