



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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INSTRUCTIONS

MODEL AVH-M2 IMPULSE 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 assumed by Avtech with respect to this product and no other warranty or guarantee is either expressed or implied.

TECHNICAL SUPPORT

Phone: 613-226-5772 or 1-800-265-6681

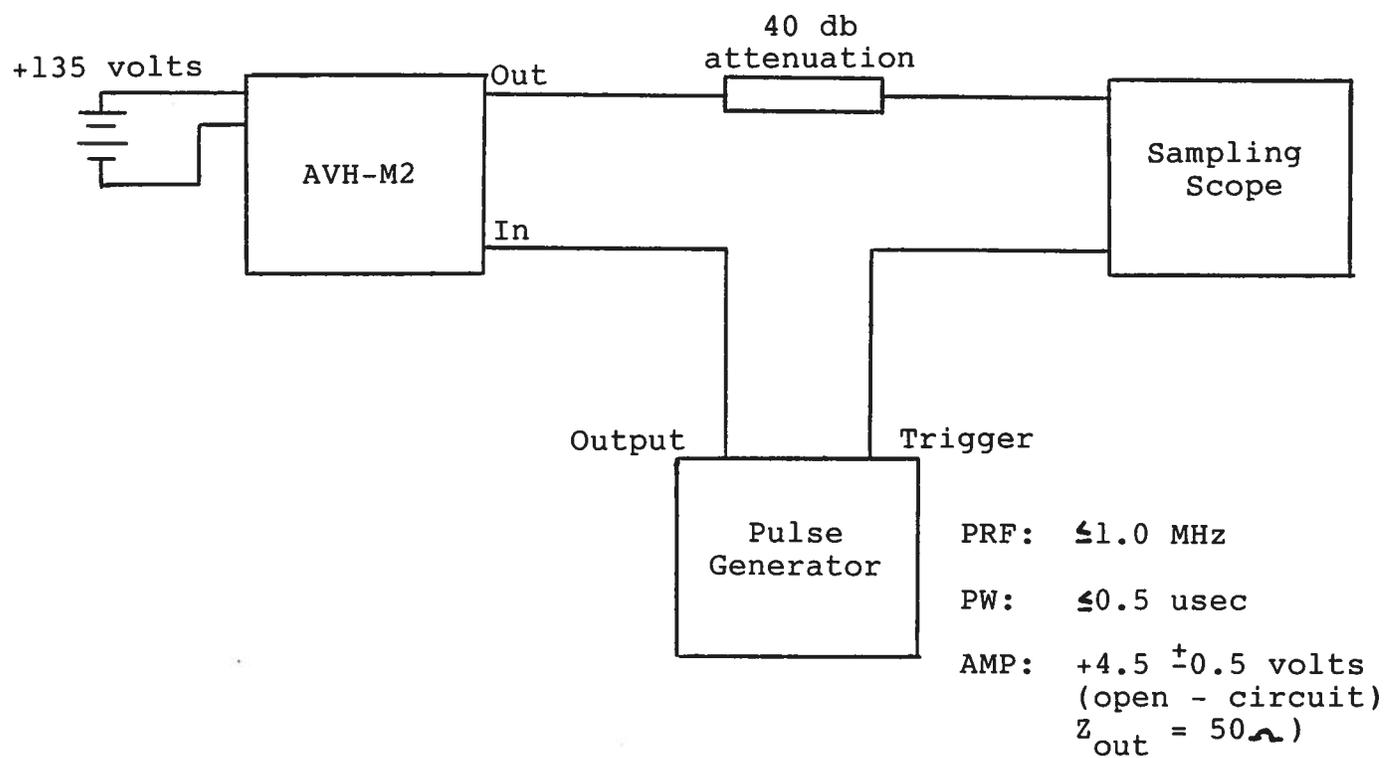
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MODEL AVH-M2 IMPULSE GENERATOR TEST ARRANGEMENT

GENERAL OPERATING INSTRUCTIONS

- 1) The bandwidth capability of components and instruments used to display the impulse generator output signal (attenuators, cables, connectors, etc.) should exceed several gigahertz.
- 2) The use of 40 db attenuation 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 ns range. Other settings should be as shown in the above diagram. The impulse generator output is delayed with respect to the trigger input signal by about 1 ns. (typically).
- 4) The impulse generator can withstand an infinite VSWR on the output port.
- 5) **WARNING:** Model AVH-M2 does not contain the internal fail-safe trigger protection circuitry as in Model AVH and therefore may fail if triggered at a PRF greater than 1.0 MHz.

PERFORMANCE CHECK SHEET

AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
ENGINEERING . MANUFACTURING

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INSTRUCTIONS

Model AVH-PS-MPB

Model AVH-PS-MPB converts a +15 V input supply to +135 V (5 mA max) and is specifically designed to be used with the Avtech AVH-M1 and M2 series of impulse generators.
CAUTION: The unit may fail if the output is short circuited.

Prime power:	+15 volts (± 1 V) 150 mA max.
Output:	+135 volts (± 5 V) 5 mA max.

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