

Model NETS-0 MHC

(Voltage Divider, Preamplifier, HV Supply)



Model NETS-0 MHC, has a voltage divider, HV supply and preamplifier with cable driver output stage. It has a PMT base socket in which detector can be directly plugged. The output stage is capable of driving signal through a standard coaxial cable up to a maximum length of 100 meters. This unit requires $\pm 15\text{VDC}$ or $\pm 12\text{VDC}$ power. HV supply 1000V @ 1mA max required for PMT detectors, is generated internally. Stainless Steel weatherproof enclosure is optionally available for Detector and NETS-0 MHCL assembly.

Specifications

Voltage Divider	: 10 or 12 stage with $R = 510\text{ K Ohms}$
Pre amplifier	: 2 stage transistor amplifier with emitter follower
Signal Output	: Pulse Output with sharp rise time and $50\mu\text{ Sec}$ fall time
Output Impedance	: 50 ohms
HV Supply	: Internally connected to Anode pin through Load Resistor
H.V. Adjust	: Screw driver adjustment for setting H.V. between 0 to +1000V DC
H.V. Monitor	: 0 to +5 V output proportional to H.V.
Power Supply	: $\pm 15\text{ V}$ or $\pm 12\text{ V DC}$ @150 mA
Power Connector	: 3 pin female
Signal Output	: BNC female
HV Monitor Test Points	: Test Point jacks

Due to continuous R&D, specifications are likely to change without notice

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