

HEAD AMPLIFIER**TECHNICAL SPECIFICATIONS**

Detector Load Resistor	: 10 M Ω
Output Impedance	: 100 Ω
Charge Sensitivity	: 0.22 x 10 ¹² volts/coulomb multiplied by the gas flow gain of the unit. The gain can be set by means of a slide switch to 1 or 3
Maximum Output Pulse	: 6 volts (saturated output)
Rise Time	: Better than 100nsec for both polarities of the signal
Decay Time Constant	: 50 μ secs at gain 1
Noise	: 30 mV P-P (with EHT)
Charge Sensing Device	: N channel FET
Power Requirements	: + 24V at 30 mA - 24V at 27 mA.
Temperature Range	: 10 ⁰ C to 50 ⁰ C
Connectors	: 1) EHT I/P U.H.F. socket (2.5 KV max.) 2) Detector – U.H.F. Plug 3) Test I/P – B.N.C. socket 4) Signal O/P – B.N.C. socket 5) Low Voltage Power Supply – 3 core cable with 9 pin 'D' connector plug at one end
Dimensions	: 101 mm x 79 mm x 42 mm

CAT. NO.: PHA-502B/0903

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