

GAMMA SCINTILLATION PROBE WITH STAND**TYPE : GSP-1****Technical Data**

This essentially consists of a 2" x 2" NaI Integral detector, with PMT / HV bleeder wired & enclosed in a cylindrical shell with appropriate connector brought out for applying HV bias to PMT & also for taking signal output to the Radiation Counting System.

Operating Voltage Range : 900–1000V

Background (typical) with lead shielding : 900 cpm

Efficiency : $\geq 8\%$ for Cs-137 at 1 cm

This probe with NaI crystal facing downwards is placed in a sample holder having slotted arrangement for placing sample tray. Samples either filter paper deposited air activity sample or in a SS planchet can be kept for **gross gamma activity counting**. This Radiation counting system cannot be used for selection of a specific energy band.

For applications requiring counting for a specific energy band one has to opt for Gamma ray spectrometer.



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