

**BETA SCINTILLATION PROBE WITH STAND
(PLASTIC SCINTILLATION BASED)
TYPE : BSP-2**

Technical Data

Beta probe assembly type BSP-2 is a plastic scintillator based assembly consisting of 2" Dia scintillator coupled to 2" PMT. It has a thin aluminized foil as Beta entrance window. It is primarily designed to serve as a Beta Probe when connected to a Radiation Counting System, type RC605A. It is mounted on a stand which has arrangement for sample tray with shielding option. Additionally slots are provided at different heights for positioning the sample tray.

Operating Voltage Range :
900–1000V

Background (typical) with 40 mm lead shielding : ≤ 20 cpm

Efficiency (typical) at 1 cm from the window : (a) Tl-204 $\geq 20\%$
(b) Sr-90 $\geq 40\%$

