

**Technical Specification**

<b>Radiation detected</b>	: Alpha & Beta Particles
<b>Detector</b>	: ZnS (Ag) adhered to 0.10" thick Plastic Scintillator mounted on 1.5" PMT.
<b>Efficiency</b>	: 25% for <sup>239</sup> Pu; 60% for Th230, 20% of <sup>90</sup> Sr/ <sup>90</sup> Y, 5% for <sup>14</sup> C
<b>Background</b>	: Alpha: 3-4 counts per hour Beta: 3-4 counts per minute.
<b>Crosstalk</b>	: Alpha to Beta < 10%, Beta to Alpha <1%
<b>Electronics</b>	: All solid state, Micro –controller based design
<b>Operation</b>	: Preset timer
<b>Preset Timer</b>	: 9999 secs.
<b>Number of Runs</b>	: Settable between 1 to 1000
<b>User interface</b>	: 4 keys keypad with 20X4 lines LCD for displaying key function and counts, time data information.
<b>Menu Display</b>	: Counts: 999999 Time: 9999 Runs: 500 Alpha+ 500 Betas
<b>HV Supply</b>	: Adjustable to 1250V by setting the helipot with graduated dial.
<b>Data Storage</b>	: Store and recall facility for data up to 1000 readings.
<b>PC interface</b>	: USB Port
<b>Data transfer</b>	: On hyper terminal /Access Port (windows based) in CSV format
<b>Power</b>	: 240V (+10V), 50Hz AC mains supply.

CAT. No. CS202/0116

**PLA ELECTRO APPLIANCES PVT. LTD.**

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