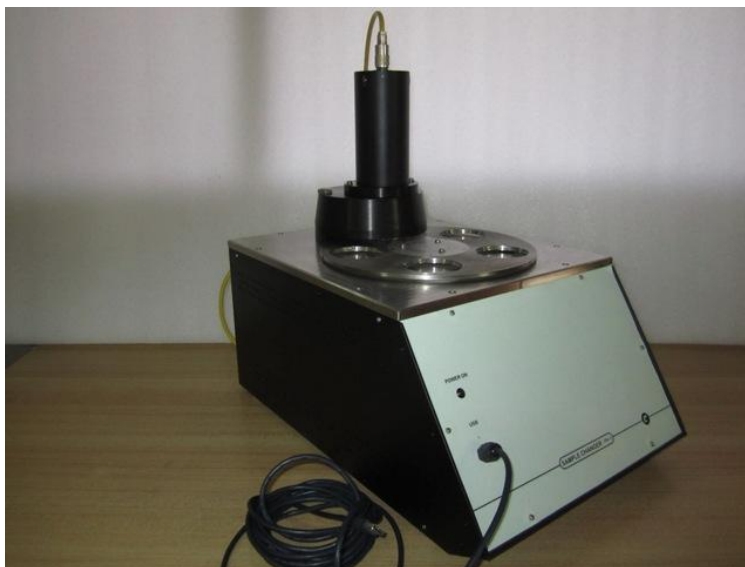


Model ASC-05A / ASC-10A

Automated Sample Changer - Alpha Counter



Para Model ASC-05A / ASC-10A Automated Sample Changer - Alpha Counter is a versatile indigenously developed system for Alpha radiation counting of samples on 25 mm (1") or 51 mm (2") diameter filter papers or planchets.

Model ASC-05A / ASC-10A incorporates programmable sample positioning system and programmable Alpha Counting System. Once the system is programmed it can work On-line (PC connected) or Off-line (PC disconnected). Sample positioning/movement, system and counting parameters and report generation is programmed by user friendly menu based PC software. Alpha Counting System incorporates ZnS(Ag) Scintillation Detector **, programmable high voltage, preamplifier, spectroscopy amplifier, SCA/Counter/Timer programmable by PC. The front end electronics is specifically designed for achieving very low background counts.

The software provided with Automated Sample Changer – Alpha Counter assists user to set various Operating Parameters and Motion Control Parameters. Report is generated after completion of counting process with Sample ID, Counts, date, time, Operating parameters etc. in predefined formats. Reports can be saved in Text format and available for printing via USB port.

Model ASC-05A / ASC-10A is ideally suited for Health Physics labs, Environmental Survey labs, Nuclear Power Plants etc where large numbers of samples are handled for routine counting and records.

*** Composite detector for separate Beta and Gamma gross counting application can also be supplied. Contact Factory for further details.*

Specifications (Model ASC 05A / 10A)



Alpha Detector

- ❖ ZnS(Ag) Scintillator mounted on 2"x2" PMT for measurement of Alpha particles
- ❖ Efficiency : 25% or better
- ❖ Background : 2 – 3 counts per hour

Operating Parameters

- ❖ Detector Operating Voltage 0 to +1200 volts software programmable
- ❖ Low Level Discriminator 0 to 5000mV software programmable (LLD)
- ❖ Upper Level Discriminator 0 to 5000 mV software programmable (ULD)
- ❖ Preset Timer Software programmable in HH:MM:SS
- ❖ Counter 0 to 999999 maximum counts
- ❖ No. of Repetitions 1 to 10 maximum per sample
- ❖ No. of Samples 1 to 5 maximum for 51 mm (2") dia Samples and 1 to 10 for 25 mm (1") dia Samples
- ❖ Next Sample travel time 5 Secs
- ❖ Sample Elevation time 6 Secs
- ❖ USB Interface for PC/Laptop for Prgramming, Data Logging and Data Printing

Power Supply

- ❖ Single Phase 240 V (+ 10%), 50 Hz Ac Mains

Mechanical

- ❖ Dimensions : 495 D x 315 H x 325 W mm
- ❖ Weight : Approximately 22 Kg

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

Manufactured By :

Electronic Enterprises (I) Pvt. Ltd.
Para Electronics Manufacturing Division



306, Nimesh Industrial Estate
Vidyalaya Marg, Mulund (East)
Mumbai 400 081
Phone : 022-2563 5600/ 2741
Fax : 022-2563 7835
Website : www.eeipl.in
Email: pemd@eeipl.in

Mumbai
022-25639904
eemulund@eeipl.in

Kolkata
033-25770551
eeecal@eeipl.in

BRANCHES

Hyderabad
040-23243352
eehyd@eeipl.in

Delhi
011-27240436
eedelhi@eeipl.in

Bangalore
080-23380451
eebng@eeipl.in

Kota
0744-2501113
eekota@eeipl.in