



LIQUID SCINTILLATION COUNTER LSCL-A10

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Liquid Scintillation Counter LSCL-A10 is a portable instrument controlled by SCM 8031, offers online data processing with sample capacity of 25 tubes and automatic change. Equipped with two position machine control; upper and lower position machine, can independently control the instrument sample change and measurement. With three working modes; count, DPM measurement, Quenched sample measurement, this device offers two curve fitting methods with curve fitting of the $3/2$ degree equation; four parameter equation and abnormal point elimination function. This device can be used in the area to measure the intensity of low range β in the samples in ^3H and ^{14}C . Device is without computer setup, user have to use own computer setup.

FEATURES

- Online data processing with sample capacity of 25 tubes and automatic change
- Portable instrument controlled by SCM 8031
- 2 position machine control, can independently control the instrument sample change and measurement
- 3 working modes; count, DPM measurement, Quenched sample measurement with quench correction curve
- 2 curve fitting methods; curve fitting of the $3/2$ degree equation; four parameter equation and abnormal point elimination function
- Can be used in the area to measure the intensity of low range β in the samples in ^3H and ^{14}C
- High quality, large sample capacity and strong data process

APPLICATIONS

Liquid scintillation counter is ideally used in the radioactive contamination, radiation survey meters, radiometric assay, nuclear plant safety, and medical imaging, screening technologies, In vivo and ELISA alternative technologies, cancer research, epigenetics, and cellular research, protein interaction and detection, academic research, pharmaceutical, for the virus HP detection across hospital, sanitation, biochemistry, agriculture, hydrology and geology for the study and application of the Isotope.

SPECIFICATION

Model	LSCL-A10
Type	Portable
Capacity	25 tubes
Temperature range	5 to 30°C(rated)
Ambient temperature	20±5°C
Relative humidity	<85% (30±2°C) (rated)
Ambient relative humidity	<80% (20±5°C)
Detecting efficiency for 3H	>40% (standard sample)
Background counter rate	<50 cpm
Detecting efficiency for 14C	>90% (standard sample)
Background counter rate	<60 cpm
Sample change	Automatic
Controller	SCM 8031
Working mode	3 working modes; count, DPM measurement, Quenched sample measurement with quench correction curve
Machine control	Upper and lower position machine control
Measurement control	Automatic
Curve fitting methods	Curve fitting of the 3/2 degree equation; four parameter equation and abnormal point elimination function
Data processing	Online
Power supply	AC 200 V±5% 50 Hz; AC 200 V±10% 50 Hz