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Your Alternative
To The Obvious

MODEL 3030P ALPHA-BETA SAMPLE COUNTER

Features

- *Simultaneous Alpha and Beta Counting*
- *Employs PIPS™ Detector*
- *Ultra Low Crosstalk & Backgrounds*
- *Adjustable Alpha Window for Radon Reduction*
- *Data Logging with USB Connectivity*
- *48 Hour Battery Operation*



Introduction

The 3030P's solid state PIPS™ detector facilitates efficient and cost-effective simultaneous alpha and beta sample counting for air filters, smears and swipes.

This instrument meets the newer EPRI guideline for detecting a few DPM of alpha amidst a several hundred thousand DPM beta background.

All data may be logged and easily retrievable via a USB connection. The Model 3030P can also reduce radon interference by 80%. It does this through the addition of an upper threshold on the unit's alpha channel. The light weight and battery operability afford convenient use out in the field.

With the optional detector shield, the Model 3030P's background and/or background interference may be substantially reduced.

Specifications

Optimized Setting for:			
	Alpha & Beta	Alpha	Beta
Alpha Efficiency Pu-239 (4 pi)	39.5%	40.3%	31.1%
Beta Efficiency SrY-90 (4 pi)	30.9%	20%	36.1%
Cl-36 (4 pi)	29.7%	20.4%	35.8%
Tc-99 (4 pi)	7%	1.2%	13.1%
C-14 (4 pi)	.006%	0%	0.36%
Alpha Background (10 min)	0 cpm	0.2 cpm	0 cpm
Beta Background (10 min)	21.0 cpm	10.2 cpm	60.1 cpm
Alpha to Beta Crosstalk	2.8%	1.1% cpm	8.4% cpm
Beta to Alpha Crosstalk	.001%	0% cpm	0% cpm

SCALERS: Alpha and Beta over a range of 0 - 999,999 counts, 6 digit backlit LCD displays for each

COUNT TIMER: Single timer, switch adjustable between 0.1 - 60 minutes (.1, .5, 1, 2, 5, 10, 60, PC)

STATUS INDICATORS: Backlit indicators for:

- **QC** - Daily QC check needed
- **LOW BATT** - Battery power is low
- **CPM/DPM** - Counting in CPM or DPM mode
- **aAL/βAL** - Count has exceeded alarm setpoint

INTERFACE: USB - includes a 39 inch (1 meter) USB cable for connection to a PC

SOFTWARE: Free PC interface software allows parameter setup and data logging

AUDIO: Built in unimorph type speaker with volume control to provide a dual tone click-per-event audio

POWER: 5 Vdc universal-input wall AC-DC adapter or 4 ea. "D" cells

BATTERY LIFE: 60 hours

TEMPERATURE RANGE: -4°F to 104°F (-20°C to 40°C)

SIZE: 8" X 7" X 9.5" (20.3 X 17.8 X 24.1 cm)

WEIGHT: 7.5 lbs (3.4 kg) with 4 each "D" cell batteries

CONSTRUCTION: Aluminium housing with gray powder-coated finish and subsurface printed front panel