

# PORTABLE HIGH-VOLUME BERYLLIUM AIR SAMPLER OR DETECTOR

Model ~ AS-30-Be (SAMPLER) ~ Model ~ AD-30-Be (DETECTOR)

## FEATURES:

- BENCH TOP OR PORTABLE
- **SAMPLES** ALL AIRBORNE BERYLLIUM (*AS-30-Be*)
- **DETECTS** ACTIVATED BERYLLIUM (*AD-30-Be*)
- AUTO SHUT-OFF ON FLOW TOTAL OR TIME – USER SETTABLE
- BUILT-IN TIMER – USER SETTABLE
- ACCURATELY MEASURES FLOW RATE
- ELECTRONIC MASS FLOWMETER
- DRAW AIR FROM HOOD, ROOM, GLOVE BOX, STACK
- QUICK CHANGE 2" DIAMETER GLASS FIBER FILTER
- 10-100 LPM
- BREATHING ZONE (**OPTIONAL** TRIPOD)
- AC POWER

## OPTIONS:

- RS-232 OR RS-485, OR ETHERNET
- DATA STORAGE (FLOW RATE AND SAMPLE DURATION)
- INLET OPERATION HOSE FROM HOOD, STACK OR OTHER LOCATION.
- BREATHING ZONE EXTENDER: TRIPOD, HOSE



## APPLICATION:

The *AS-30-Be* and the *AD-30-Be* provide accurate time and flow rate information and are sensitive and versatile.

Designed for use as an industrial workplace and nuclear breathing air measurement system.

It may be also used to monitor fume hoods and stack effluent down to EPA levels.

## DESCRIPTION:

*AS-30-Be* sampler uses standard 2" diameter glass fiber filters in TA's unique quick change, leak free filter holder.

*AD-30-Be* detector provides a Beryllium filter under constant surveillance via a GM detector.



TECHNICAL ASSOCIATES

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## SPECIFICATIONS:

<b>Electronics:</b>	Programmable.
<b>Pump:</b>	Air Flow Pump and Filter holder.
<b>Flow Meter:</b>	Electronic
<b>Flow Rate:</b>	10-100 liters/min $\pm 5\%$
<b>Filters:</b>	Includes 2" diameter glass fiber package 100 filter papers.
<b>MEASUREMENT:</b>	
<b><u>Sampler Style:</u></b>	
(AS-30-Be – Sampler)	Activated Beryllium (Be) MDA 95%:10 <sup>-4</sup> Bq/m <sup>3</sup> after laboratory measurement
<b><u>Detector Style:</u></b>	
(AD-30-Be – Detector)	2" Diameter thin window GM T-1190 - Activated Beryllium (Be) Detection range Bq/m <sup>3</sup> sensitivity improves with longer count times.
<b>Air Inlet:</b>	Direct from room or environment ( <b>Optional</b> inlet hose operation).
<b>Filter Holder:</b>	Unique TA Quick-Change Filter.
<b>Filters:</b>	2" dia. glass filters also can use wide variety of 2" filters.
<b>Alarm:</b>	User settable audio/visual
<b>Display:</b>	6 digit Easy to Read LCD . (AS-100AC)
<b>Auto-Shut Off:</b>	Triggered by preset sample time or preset total flow value.
<b>Power:</b>	AS-30-Be and AD-30-Be: 115V AC – 220V AC ( <b>Optional</b> 230V AC).
<b>Case:</b>	Electronics housed in enameled aluminum housing; handle included.
<b>Weight &amp; Dimensions</b>	
<b>Dimensions:</b>	17"W x 13"H x 13 1/2"D (43 cm x 33 cm x 34 cm)
<b>Weight:</b>	20 lbs (9 kg) (Not Including Optional Tripod).

## OPTIONAL:

- RS-232 or RS-485, or ETHERNET
- Data Storage (Flow Rate And Sample Duration)
- Inlet operation hose from hood, stack or other location.
- Breathing Zone Extender: Tripod, Hose



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