

ASM-990 Series: Operating Guidelines

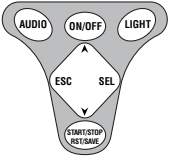
Quick Reference Guide

NOTE: Consult with your hospital's radiation safety officer or trauma/emergency coordinator for detailed instructions for evaluating, triaging and treating patients with suspected radiation exposure.

Operating Instructions



Triage Guidelines



1. POWER UNIT ON with "ON/OFF" button

- a) A screen displaying "Victoreen Advanced Survey Meter" will appear for ~5 seconds
- b) If this does not occur, refer to BACK PAGE ("Power/Batteries")

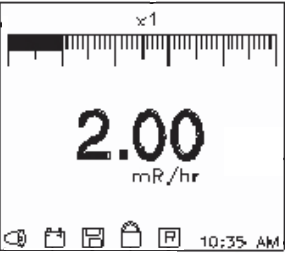
PROBE INFO

MODEL #: PANCAKE
SERIAL #: 002132
CAL DATE:
CAL CYCLE: 12 MOS.
CAL DUE:
IS PROBE CORRECT?
YES
NO

2. VERIFY PROBE MODEL # is Pancake

Select "YES" with the arrows and press the "SEL" button

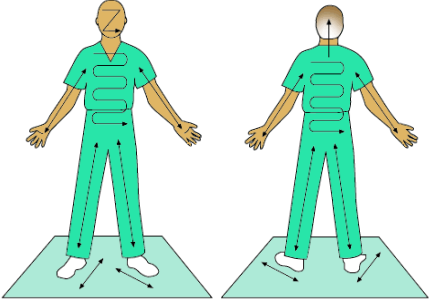
- a) If "MODEL #" is not **Pancake** refer to BACK PAGE ("Probe Selection")
- b) If "CAL DUE" date has passed, contact radiation safety officer



3. ENSURE RATE MODE is in USE (mR/hr)

Once the probe is selected, the normal operating screen is displayed

- a) Only use the "**RATE**" mode with "mR/hr" units (*Note: may also read "R/hr" for elevated radiation levels as 1R = 1,000 mR*)
- b) Verify that the "**RATE**" mode is in use (denoted by the Rate Mode Indicator and "**mR/hr**")
- c) If this is not the case, refer to BACK PAGE ("Mode Selection")



4. SCAN PATIENT WITH UNIT (as shown)

- a) Hold UNIT an inch from patient, with the **BOTTOM** of the UNIT facing the patient
- b) Survey entire body until a **MAXIMUM RATE** reading is identified by visual inspection
- c) Record **MAXIMUM RATE** and Time/Date

If using Patient Tracking Tags, refer to BACK PAGE for "Logging Data / Barcoding"

Maximum RATE reading (mR/hr)	Action(s) ^{***}
< 0.1 mR/hr	No action required
0.1 – 10 mR/hr	Contact radiation safety officer (RSO) or trauma coordinator (TC)
10 mR/hr – 1 R/hr	Contact RSO or TC Limit exposure to patient
> 1 R/hr or OVERRANGE	Contact RSO or TC Limit exposure to patient Maintain safe distance from patient, when possible (greater than 2 feet)
<p>*** NOTE: if Maximum RATE is > 0.1 mR/hr, ensure that the elevated RATE level is not a result of a recent medical procedure</p>	
<p>Tips for Reducing Radiation Exposure</p> <ul style="list-style-type: none"> • TIME – minimize time near radiation source • DISTANCE – maintain maximum practical distance from radiation source <ul style="list-style-type: none"> • Moving 2x the distance away from radiation source will decrease exposure rate by a factor of 4 • SHIELDING – place patient behind concrete or lead barriers if possible 	

Note

If this device is used in a manner not specified by Fluke Biomedical, the protection by the device may be impaired.

Caution

There are no user servicable parts for this unit. Should unit require service, please contact Fluke Biomedical at 440.248.9300.

Note: refer to ASM-990 Series Operators Manual for detailed use and care instructions

ASM-990 Series: Detailed Operating Guidelines

Quick Reference Guide

FLUKE[®]

Biomedical

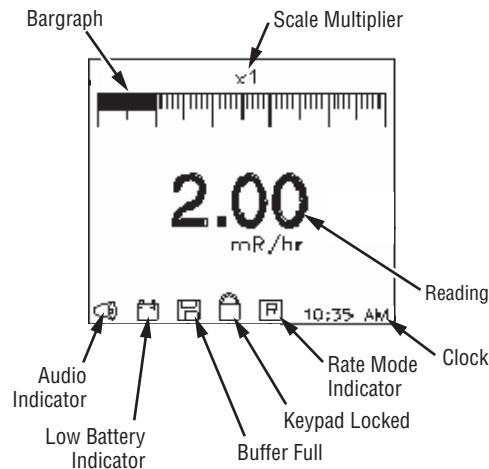
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Category	Description
Keypad	<ul style="list-style-type: none"> • “AUDIO” key is used to enable/disable the audible alarm/speaker. An icon, resembling a small speaker, will appear in the lower left corner of the LCD • “LIGHT” key will illuminate the LCD’s backlight for a time period (user menu selected) • “START/STOP/RST/SAVE” key is used to manually log the current reading and the physical location, for each measurement, in barcode format • “SEL” key, when pressed, will activate the menu system • “ESC” key will return the user to the normal operating screen
Power/Batteries	<ul style="list-style-type: none"> • Operates on two “D” batteries located in the unit’s handle; recommended batteries include nickel metal hydride (NiMH), rechargeable, or alkaline
Probe Selection	<ul style="list-style-type: none"> • If “Pancake” is not listed as the “Model #”, highlight “NO,” then press “SEL,” to display a list of additional probes that can be selected • On the subsequent “Probe Selection” screen, highlight “Pancake” then press “SEL”
Mode Selection	<ul style="list-style-type: none"> • If “RATE” mode is not in use, press “SEL” to change to the “MAIN MENU” screen • Highlight “MODES” on the “MAIN MENU” then press “SEL” • Highlight “RATE” on the “MODES SUB-MENU” screen then press “SEL” • Highlight “mR/hr” on the “RATE UNIT SUB-MENU” screen then press “SEL” • This series of functions will then return you to the normal operating screen
Logging Data / Barcoding	<ul style="list-style-type: none"> • “START/STOP/RST/SAVE” key is used for manually logging data / reading a barcode • When this key is pressed, the instrument then displays the message “SPACE AVAILABLE XX” for one second, while the current reading is being logged. The display will also show “SPACE AVAILABLE ###” between each data point that is logged • When the memory is full, the instrument will display “LOG BUFFER FULL.”
Data Transfer / Upload	<ul style="list-style-type: none"> • Saved data points can be transferred to a PC via the IrDA port using PC based software • Select “IrDA COMMUNICATION” from the “MAIN MENU;” at the “ENABLE IrDA PORT?” prompt, select “YES.” Then physically place the unit within six inches of the IrDA data port on the host PC. Initialize the PC based software.
Routine Cleaning	<ul style="list-style-type: none"> • Do not immerse the unit – liquid could damage the circuits. The unit should be kept clean and free from dirt and contamination; The unit may be cleaned by wiping with a damp cloth using any commercially available cleaning or decontaminating agent

Note: refer to ASM-990 Series Operators Manual for detailed use and care instructions