

# FOOD & COSMETIC MONITOR

Model ~ FLG-9000

## FEATURES:

- SEES 1 nanoCi IN ONE MINUTE
- SEES 0.1 nanoCi IN TEN MINUTES
- LARGE VOLUME SCINTILLATOR DETECTOR  
MAX 1 LITER SAMPLE CAVITY
- 2" LEAD SHIELDING IN ALL DIRECTIONS
- BACKGROUND SUBTRACTION
- USER SETTABLE DISPLAY  
 $\mu$ Ci OR Bq
- MCA GAMMA SPECTRUM ELECTRONICS
- ON BOARD ARCHIVE AND RETRIEVAL
- USB & ETHERNET PORTS
- OPTIONAL – DIGITAL PRINTER



MCA-TA

MULTICHANNEL ANALYZER ELECTRONICS

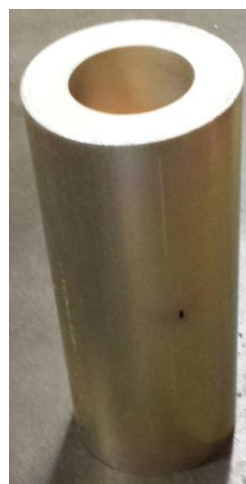
## APPLICATION:

Measure minute quantities of radioactive contamination in all sample types of:

- FOOD
- COSMETICS
- OTHER SAMPLE TYPES

Presetting controls for six isotopes of greatest interest allows rapid processing of samples and prevents confusion. User settable display in  $\mu$ Ci or Bq.

**Highest Sensitivity on 1 Liter Samples.**



PGS-9000 - 1 LITER LARGE VOLUME SCINTILLATION DETECTOR

## SYSTEM DESCRIPTION:

- One Liter Capacity Scintillation Well Detector
- Shielding for Detector
- Multichannel Electronics
- Pulse Height Analyzer
- Power, Bias Supply
- Timer
- Counter

## SYSTEM DESCRIPTION:

- **Digital Display**
- Six Presets for:
  - Selected Isotopes
  - Analyzer Settings
  - Calibration Factors
  - MCA Settings
  - Background Memory Buffers
- 6 Simultaneous Readouts



**TECHNICAL ASSOCIATES**  
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Divisions of  US NUCLEAR CORP

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## SPECIFICATIONS:

### ELECTRONICS:

Power Supply Module: MVR-5.12.24  
Monitor: FM-9 7" Color  
Multi Channel Analyzer: MCA-TA with Background Subtract  
Case: Easy Clean with all Cables

### DETECTOR:

PGS-9000: 1 Liter Capacity Scintillation Well Detector  
Shielding: LS-55XW: Welded metal housing for lead, supplied empty for local filling with solid lead or lead shot.

### WEIGHT AND DIMENSIONS:

#### Detector:

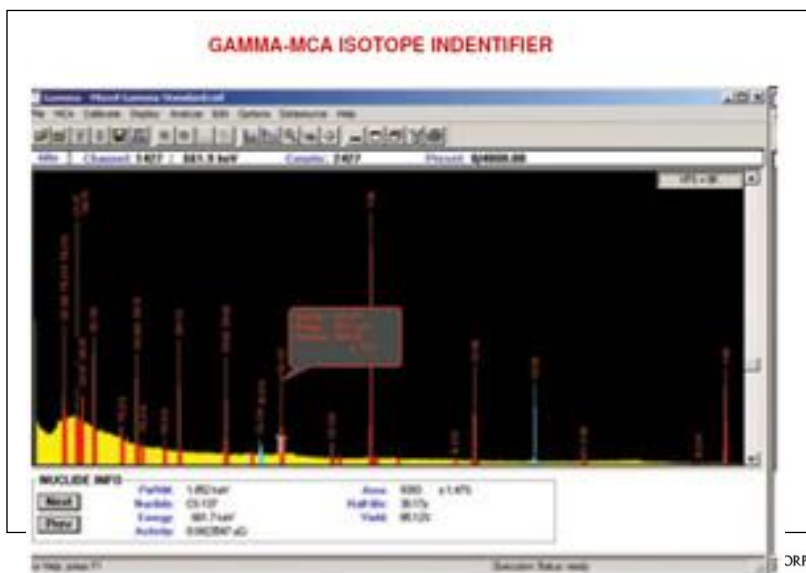
PGS-9000 20" H x 9" Outside Diameter.  
Detector Cavity: 4.75" Diameter x 5" Deep  
Weight: 20 lbs Without Lead Fill

#### Electronics:

MCA-TA 21" W X 11" H X 15.5" D  
Weight: 25 lbs

### OPTIONS:

MRR-5FL: Digital Printer  
D-VOC: Volatile Organic Compound " Fume" Detector  
STAM-2: Alpha Emitter Sample Counter



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