

FOOD MONITOR

Model # FL-1000
Model # FLG-1000*

FEATURES:

- 1nanoCi IN ONE MINUTE
- 0.1nanoCi IN ONE TEN MINUTE
- MEASURES 1 LITER SAMPLES
- PRINTS ANSWERS DIRECTLY IN μ Ci or Bq
- SIX PRESELECTED ISOTOPES
- SIX PRESELECTED ANALYZER SETTINGS
- SIX PRESELECTED CALIBRATION FACTORS
- DIGITAL PRINTER
- 2" LEAD SHIELDING - ALL DIRECTIONS
- LARGE VOLUME SCINTILLATION DETECTION

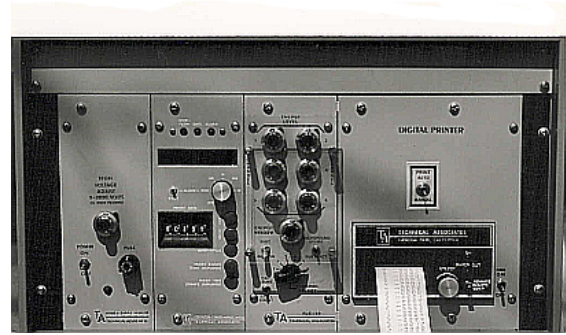


Figure 1: FL-1000



Figure 2: Shielding

APPLICATION: Measuring minute quantities of radioactive contamination in all types of food stuffs or other bulk samples. Presetting of controls for six isotopes of greatest interest allows more rapid through-put of samples and prevents confusion of constantly resetting controls for different isotopes. Prints answer directly in μ Ci or Bq.

GENERAL DESCRIPTION: System included one liter capacity scintillation well detector, shielding for detector, and electronic package of preamps, pulse height analyzer, power, bias supply, timer, counter, digital printer and six presets for each of the following: SCA settings, background memory buffers, and calibration factors.

SPECIFICATIONS

System Components:

Electronics:

MVR-5R - Power Supply Module
MCT-5 - Scaler Timer Module
FLC-56 - Six Channel Analyzer, Background Subtract and Calibration Module
MRR-5FL - Digital Printer Module
Instrument case and all interconnecting cables.

Detector Assembly:

PGS-F1000 - One liter scintillation well counter detector.

Load Shield:

LS-55X - Steel encased 2" lead shield with 4π shielding.

OPTIONS:

LS-55XW - Welded steel housing for lead, but supplied empty for local filling with solid lead or lead shot.
RS-232-FL - And other computer outputs.

* Model FLG-1000, as FL-1000, except six simultaneous measurements and printout.

TA

TECHNICAL ASSOCIATES

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\$Revision: 1.1 \$