

WIPE TEST COUNTER

Finally, a wipe test counter that's easy to use, easy to understand, and dependable.

The Atomlab Wipe Test Counter is easy to use, easy to understand, fast and dependable. A color touch-screen display utilizing intuitive software eliminates the tedium of wipe testing. Simply perform a daily calibration and background count, then count the wipe for each predetermined location. Trigger levels can be set for any isotope at any location including 200 dpm for iodine. In seconds the system will determine if the location is above or below the user defined trigger level.

When performing a wipe test, the full spectrum is displayed. A wide window that includes the isotope energies expected in a particular department is set by the user. The efficiencies of the isotopes selected for the window can be either factory defaults or user determined using an integrated detector efficiency program. Individual isotope ROIs along with the wide window can be set. This feature helps identify the isotope(s) causing contamination.

Up to 50 wipe locations can be entered as a restricted area, unrestricted area, sealed source or package. The results are displayed in dpm, cpm, uCi or kBq.

The system consists of a lead shielded 2" x 2" sodium iodide (NaI) well detector and a 64 channel multi-channel analyzer. The displayed energy range (spectrum) is 0-800 KeV, which is typically found in nuclear medicine departments.

The wipe counter is designed to meet or exceed all NRC (10 CFR 35.70, 10 CFR 20.1906 and 10 CFR 35.2067) and state wipe test requirements. There are automated programs for the quality assurance functions: calibration, FWHM, chi-square and minimum detectable activity (MDA).

Wipe test results and QA test data can be stored in memory and printed at any time.



FEATURES:

- *Easy-to-use, large touch screen with intuitive menus*
- *Meets NRC/State regulations*
- *64 Channel MCA*
- *Adjustable wide window and individual isotopes*
- *2x2 NaI drilled-well detector*
- *Remote shielded well*
- *Energy spectrums with individual ROI*
- *Ability to help identify isotopes causing contamination*
- *User-specific wipe locations and trigger levels*
- *Wipes that exceed trigger levels are immediately recognized: flashes on screen and prints in red*
- *Detailed wipe reports including CPM and DPM*
- *Automated QA testing, Chi square, FWHM and MDA*
- *Wipe testing results stored*
- *Optional printer for hard-copy archives*
- *Two-year warranty*
- *RS-232 bi-directional serial communications port*

ATOMLAB WIPE TEST COUNTER

SPECIFICATIONS:

DISPLAY

Display: LCD Touch Panel 6.5" x 5", function keys are displayed for the operation being performed

Connectors: RJ-12 for well cable, USB for printer

Power: The system uses an XP Power Supply for medical use, Model #PDM60US15

Line Voltage: 100 to 240 VAC, auto selectable by the power supply, 1.5 – 0.75 amps

Line Frequency: 50/60 Hz, detachable line cord, built-in EMI filter and transient suppression

Auxiliary Port: RS-232 connector, used for data export and firmware updates

Memory: Stores wipe, calibration, background, high voltage, isotope specification, isotope efficiency, Chi-Square testing results, technologist list, wipe locations list and latest MDA calculation. Results can be displayed and printed.

Preset Radionuclides: 27 including Tc-99m, Co-57, Cs-137, Ga-67, Tl-201, I-123, I-125, I-131, In-111, F-18

DETECTOR CABLE

Length: Standard 8 ft. (243 cm); custom cable lengths available up to 20 meters

Conductors: Six total – 2 for power, two for chassis ground, two for serial data

Connectors: RJ-12

WELL COUNTER

Detector: 2" x 2" NaI (TI) integral line scintillation detector with a 0.75" dia x 1.44" depth well (1.9 x 3.7 cm)

Style: Remote Detector

MCA: 64 Channel, Integral to Well Counter

Spectral Resolution: FWHM 10%

Count Rate: (Maximum) 30,000 cps

Connectors: RJ-12 for power and signal

Lead Shielding: 0.5" (1.2 cm) integral lead shield

Optional Additional Shield: 0.5" (1.2 cm) lead shield, slides over integral shield for total of 1.0" of shielding – includes cover

Cover: Fits optional additional lead shield, has 0.25" (.6 cm) lead shielding

Optional Calibration Source: 0.1 uCi Cs-137 Rod Source

Physical:

Display Unit:

Dimensions: 9.5" w x 12" h x 12" d (24.1 x 30.5 x 30.5 cm)

Weight: 4.2 lb (1.9 kg); desktop or wall mountable

Well Counter:

Size: 6"d x 11" h (15.24 x 27.9 cm)

Weight: 29 lb (3.2 kg)

Approvals: ETL listed to UL 60601-1 and CAN/CSA C22.2 No. 601-1M90, IEC 60601-1, IEC 60601-1-4 and IEC 60601-1-2



Warranty: Two years

Atomlab Wipe Test Counter shown with optional Auxiliary Lead Shield and Cover.



086-335 Atomlab Wipe Test Counter\$3,995.00

Related:

- 086-339** Report Printer, Inkjet.....250.00
- 086-333** Software, Atomlab 500 Data Manager 100.00
- 075-596** Auxiliary 0.5" Lead Shield & Cover..... 450.00
- 086-334** Cable, European wall outlet..... 15.00
- GF0209** Rod Source, 1uCi Cs-137.....320.00
- 006-350** Wipe Test Kits, 500/pkg..... 70.00

Prices subject to change without notice.

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J. Gravengaard Corporation

Medical Imaging Sales & Service

PO Box 20171 Portland, Oregon 97294 Nationwide (800)796-SCAN Local (503)255-0535 Fax (503)255-7047