

Wiper™ Gold Edition

Premium Wipe Test Counter



Setting the bar higher

Software - Simplicity, Re-defined

Load your wipe into the well and press the button. Your wipe is counted and automatically converted to DPM. If the wipe is above trigger, it is flagged and the contaminating isotope identified - that's all there is to it.

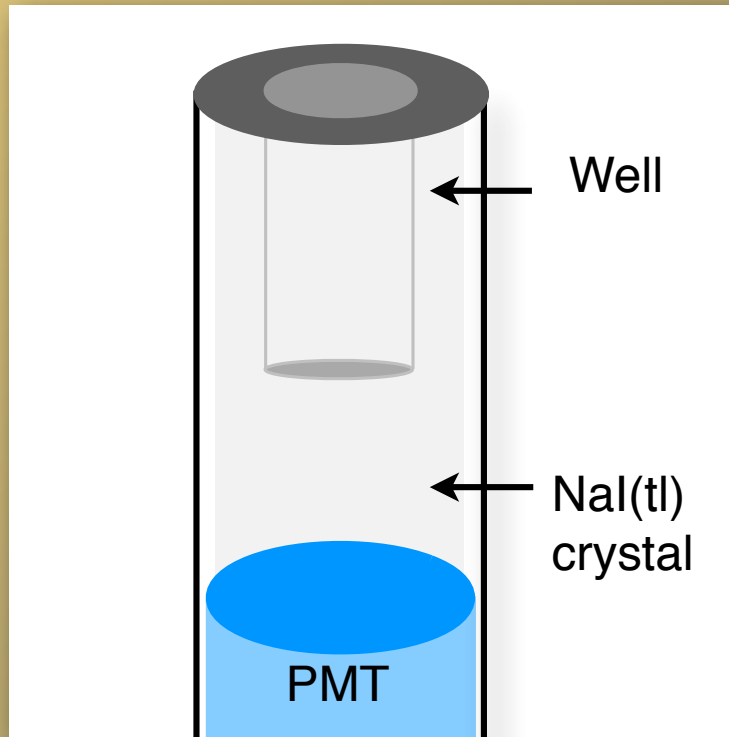


Your Time is Valuable

Answer a few questions, and we will pre-program the instrument - customized for your department. Your Wiper™ Gold then arrives ready to use, just plug it in and go . . .

The Detector

Radiation is emitted 360 degrees, yet some manufacturers don't seem to understand that. Minimizing crystal mass below the well has a detrimental effect on counting efficiency - especially at higher energies.



The Wiper™ Gold's crystal design: more crystal mass where it counts - below the sample

We designed it better

By increasing the crystal mass and thickness below the well (up to 400%), the Wiper™ Gold captures more counts, making it ideal for 511 PET isotopes.

Our design results in 40% more crystal mass than some other well counters.

With .75 inches of lead shielding (50% more than other wipe counters), lower background readings are achieved without adding external lead.

More shielding + greater crystal mass = Lower MDA's, 80% Co57 efficiency and better results with isotopes like F18.

Hardware

One of the keys to making wipe counting fast, easy and accurate is providing useful isotope identification when a “hot” wipe is found. A low resolution analyzer hampers performance and can result in false readings and mis-identified contaminants.



Other counters use a low resolution analyzer. It's like taking a picture with a cheap camera .

Wipe counters with 64 or even 256 channels just don't have the resolution needed for isotope identification. With such low resolution, you may not be able to distinguish Tc99m from Co57.

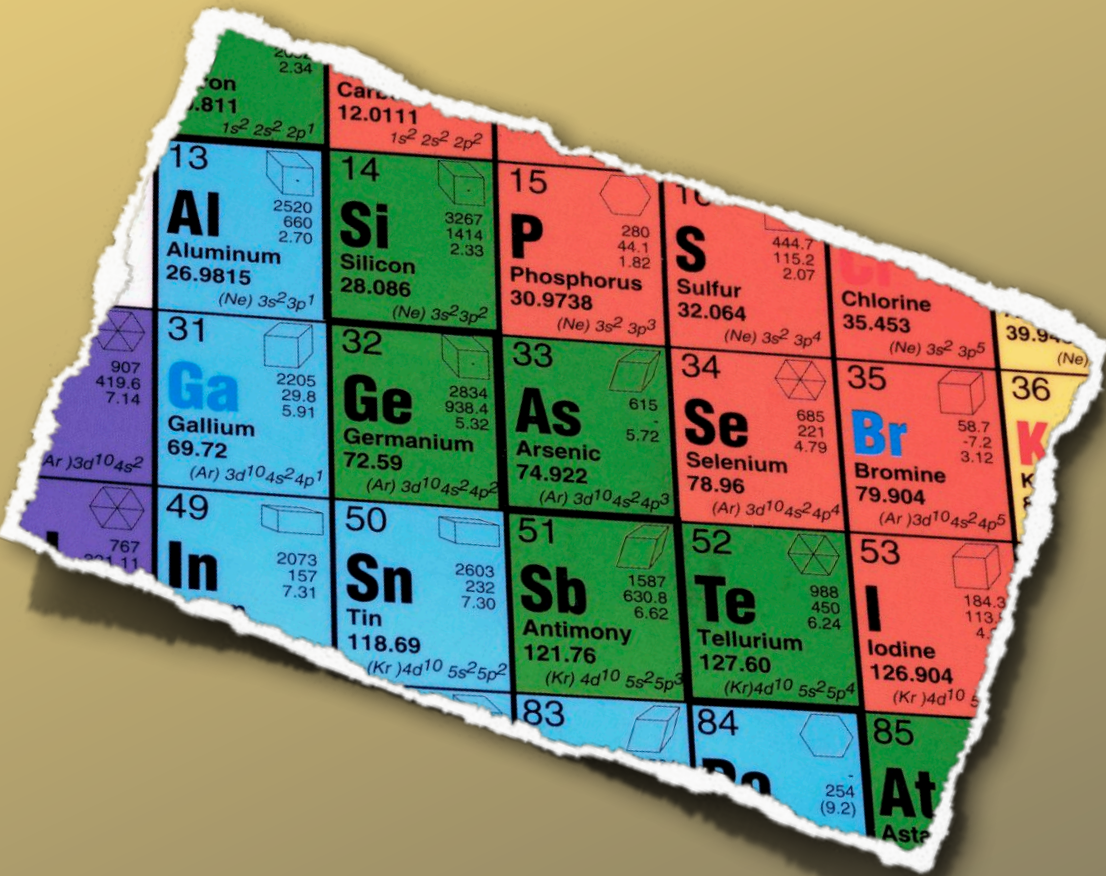


With the Wiper™ Gold's analyzer, results are crystal clear - like a quality high resolution camera.

The Wiper™ Gold provides superior resolution with **4096** channels. No “ifs” no “buts” - just accurate, unmistakable isotope ID - every time. The answer is clear.

Why would you pay more for less?

Say Goodbye to all those Calibration Sources



With our proprietary AutoSpect™ feature, you no longer need to purchase expensive isotope standards for multiple energies.

Our unique approach allows the user to count any gamma emitting isotope* and get accurate DPM results automatically.

No “fudge” factors needed, no guess work necessary. Just accurate DPM results automatically and effortlessly.

With the Wiper™ Gold there is no need for multiple sources.

* The Wiper™ Gold can measure any isotope that has gamma or x-ray emissions up to 1 MEV.

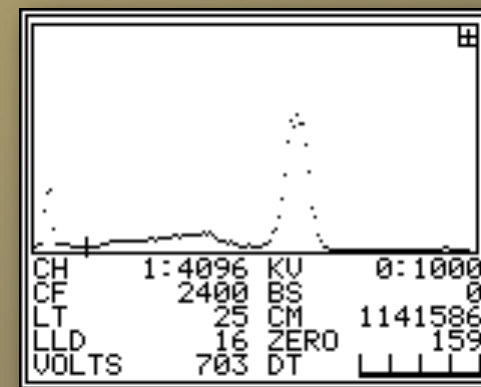
For The Physicist

Especially for the Physicist, the RSO and "Power" users:

Improved high activity counting - samples over 300,000 CPS may be counted with exceptional linearity.

Automatic sample decay correction - with automatic decay correction samples at the end of a batch are as statistically accurate as samples at the beginning of the batch.

Advanced MCA Features - Zoom, ROI, PHA, Peak Search, Marking, etc. A full featured MCA, without complicating daily use.



```
DECAY CALCULATOR
Co57 SAMPLE
DT: 01/01/2007 00:35:50
Act: 61.09 nCi
CON: 0.272 nCi/UL

Co57 TARGET
1 DT: 12/25/2009 00:00:00
2 Act: 3.799 nCi
CON: 0.017 nCi/UL

00 EXIT
SELECT FUNCTION:
```

Reverse/Future decay correction - decay correct a sample to a previous point in time or a future point in time. Using reverse decay correction, the user can determine what the activity would have been two days, or even two weeks earlier.

Sample volume correction - corrects for geometry differences when samples with varying physical volumes need to be counted and compared.

```
VOLUME CORR. VALUES
VOLUME CORR. COEF.
50uL: 1.000
100uL: 0.972
200uL: 0.924
300uL: 0.861
400uL: 0.754

PRESS ANY KEY
```

Specifications

Detector:

Nal(Tl) drilled well crystal coupled to a high gain, linearity-selected photomultiplier tube. Assembly is hermetically sealed in aluminum housing with an internal mu-metal magnetic shield. Asymmetrical crystal shape provides additional crystal mass below the well for greater efficiency with higher energy isotopes such as F18.

Well Dimension:

1.25 inches deep x .669 inches diameter.

Shielding:

0.75 inches of virgin lead, extending more than 3.5 inches beyond the bottom of the crystal.

High Voltage:

Custom engineered Croft-Walton style circuitry with multi-stage gain adjust for ultra-precise software control of calibration.

Analyzer:

High speed 4096 channel analyzer (12 bit) with automatic dead time correction, pole zero correction and baseline restoration. Integral linearity better than 0.5%. Count rate capability 300,000 CPS.

Printer:

Optional printer.

Output:

Connect to computer via RS232 or USB (with optional cable)

Power:

100-240 VAC (Universal, automatically adjusting power supply), 50-60Hz, less than 50 watt consumption.

Dimensions/weight:

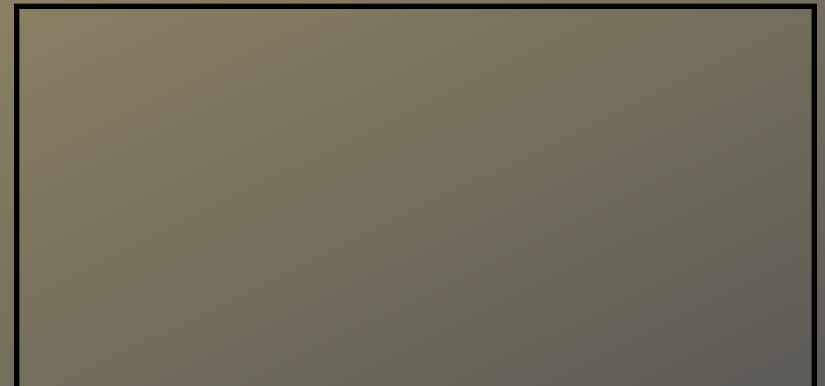
12"(304mm)W x 8"(203mm)D x 10"(254mm)H. Twenty one pounds.

About LTI

Laboratory Technologies, Inc. was established in 1983 as a manufacturer of nuclear instrumentation. Over the years, we have worked closely with many leading diagnostic companies and have become widely regarded as a leading worldwide supplier.

When you choose an LTI product, you get much more than quality engineering. You get the full support of our company behind it. With a field service organization of more than 300 technicians across the United States, help is never far away. Our instruments are used worldwide in diverse areas ranging from clinical laboratories to the oil industry to nuclear medicine to the space program. When you choose an LTI product you get the benefit of our vast experience, personal service and product expertise.

Distributed by:



PO Box 745 Elburn, IL 60119

800.542.1123 630.365.1000 630.365.9687 fax

www.labtechinc.com sales@labtechinc.com