

HIGH RANGE TRITIUM WIPE TEST COUNTER

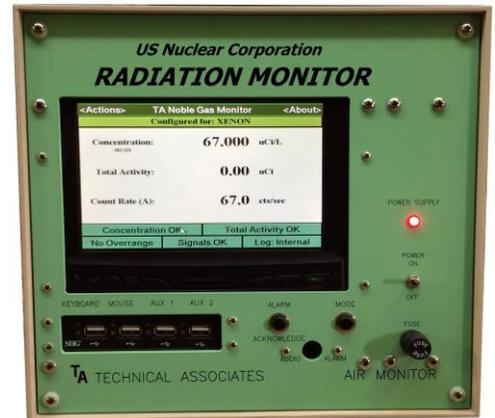
Model ~ CURIE – H3-5

Model ~ CURIE – H3-8

FEATURES:

NO COUNTING GAS OR LSC COCKTAIL REQUIRED ~DOES NOT GENERATE WASTE~

- EXCEPTIONAL WIDE RANGE WIPE COUNTER
 - 5 DECADE – STANDARD
 - 8 DECADE - OPTIONAL
- HIGH END TO 1 CURIE OR ABOVE
- ION CHAMBER OPERATION
- SMART ELECTRONICS & COLOR MONITOR
- 1" DIAMETER SAMPLE CAPACITY
- SELECTABLE ALARM
- WINDOWLESS – STANDARD
- USB OUTPUT / ETHERNET
- USER SETTABLE MEASUREMENT UNITS



FM-9 SMART ELECTRONICS

APPLICATION:

- Model CURIE-H3-5 & CURIE-H3-8 Wipe Test Systems designed for low energy HIGH activity counting.
- It is ideal for applications in fusion research or in Tritium production and use.
- The instrument includes planchettes, a sample drawer which accepts samples up to 1" in diameter.
- This instrument is designed for ease of maintenance.



CURIE-H3-5 & CURIE-H3-8
SAMPLE COUNTER

DESCRIPTION:

Model **CURIE-H3-5 & CURIE-H3-8 SYSTEMS**

Include:

- Sample Drawer
- FM-9 Smart Electronics
- Electrometer Preamp
- Power Supplies
- Ion Chamber Detector
- All Cables
- Presetable Alarm With Relay
- Manual & Preset Count Time Or Rate Mode
- On-Screen Rate Or Scaler Read-Out
- No Liquids, No Hoses, No Waste
- **OPTIONAL:** Lead shield around detector to reduce background

**UNIQUE ION CHAMBER SAMPLE COUNTER
PROVIDES HIGH RANGE TRITIUM
MEASUREMENT & ELIMINATES THE NEED
FOR A PRESSURIZED GAS SUPPLY OR
LSC COCKTAIL.**



TECHNICAL ASSOCIATES
OVERHOFF TECHNOLOGY

Divisions of  US NUCLEAR CORP

7051 Eton Ave., Canoga Park, CA 91303
818-883-7043 (Phone) 818-883-6103 (Fax)

tagold@nwc.net

WWW.TECH-ASSOCIATES.COM

HIGH RANGE TRITIUM WIPE TEST COUNTER

Model ~ CURIE – H3-5

Model ~ CURIE – H3-8

SPECIFICATIONS:

SAMPLE:

Sample Size: 1" (26mm) Diameter, Depth to 1/4" (6mm).
Sample Holder Size: Will hold Planchet Size 20-25mm
Detector: Free Air Ion Chamber 3" diameter
Detector Wall: Nickel Plated Aluminum for Excellent Charge Collection
Window: Removable Fine Mesh Stainless Steel Grill

DISPLAY:

Display Units: User Settable: Femto amps, μ Ci, mCi, Curie, megaBq,

NOMINAL DISPLAY RANGE:

CURIE-H3-5: 0.1 – 10,000 milliCuries (10 Curies)

CURIE-H3-8: 0.5 μ Ci – 10 Curies

Readout: 7" Color Monitor.

Electrometer: Solid State MOSFET input.

Electronics: A-D converter

Power Requirements: 115V 50-60 Hz (**Optional:** 230V 50 or 60 Hz).

WEIGHT & DIMENSIONS:

Electronics: 21"W x 12"H x 16"D

Electronics: 20 lbs

Detector, Drawer: 18"W x 15"H x 12"D

Detector, Drawer: 12 lbs Without Lead Shield

Interface: USB / Ethernet Output

Warranty: 1 year

Accessories: Shipment includes all cables for standard operation.



**CURIE-H3-5 & CURIE-H3-8
ION CHAMBER DETECTOR**

OPTIONS:

- Lead Shielding
- Larger Sample Size Up to 2" Diameter
- Chamber Voltage Up to 1000 Volts per inch



TECHNICAL ASSOCIATES

Divisions of  US NUCLEAR CORP

OVERHOFF TECHNOLOGY

7051 Eton Ave., Canoga Park, CA 91303
818-883-7043 (Phone) 818-883-6103 (Fax)

tagold@nwc.net

WWW.TECH-ASSOCIATES.COM