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

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.

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
- Presettable 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.
HIGH RANGE TRITIUM WIPE TEST COUNTER

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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, µCi, mCi, Curie, megaBq,

NOMINAL DISPLAY RANGE:
CURIE-H3-5: 0.1 – 10,000 milliCuries (10 Curies)
CURIE-H3-8: 0.5 µCi – 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.

OPTIONS:
• Lead Shielding
• Larger Sample Size Up to 2” Diameter
• Chamber Voltage Up to 1000 Volts per inch