

TESTING AND CALIBRATION EQUIPMENT



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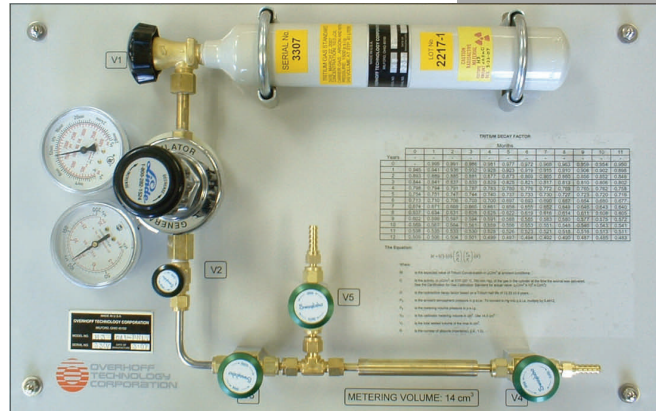
CALIBRATION EQUIPMENT & TESTING

CALG Gas Calibrator

The Gas Calibrator is supplied with all needed components to accurately calibrate your OTC Tritium Monitors, including the regulator, gages, valves and a lecture bottle containing <1mCi of NIST traceable tritium gas.

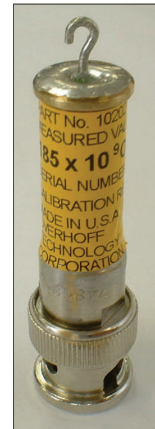
CALL Calibration Gas, Certified <1mCi Lecture Bottle

The Lecture Bottle contains <1mCi of NIST traceable tritium gas. This tritium gas is used in conjunction with the Gas Calibrator listed above.



CALR Calibration Resistors

Ultra high meg ohm resistors, certified to about 1 % precision, used for electrical calibration (or verification) of the tritium monitors response.



CALB Recommended Yearly Calibrations

Calibration (or verification) of tritium monitors should be performed at yearly intervals, or as otherwise specified. The object is to make sure that the instrument displays readings which correctly corresponds to the activity of the tritium laden gas stream passing through the ionization chamber.

TRN Training Sessions

Training Sessions can be conducted at Overhoff Technology for all Tritium Monitors built by Overhoff.

Training Course Descriptions:

- Theory of Measurement for Tritium Monitors
- Operation and Maintenance of the Tritium Monitor
- Troubleshooting and Repair of the Tritium Monitor
- Calibration of the Tritium Monitor

Tritium Gas Standard



Cylinder Type	Lecture Bottle
Material of Construction	Steel
Dimensions	50mm diameter x 310mm long
Volume	0.4 Liters
Maximum Pressure	1800 psi
Carrier Gas	Nitrogen
Maximum Radioactivity	1 milli Curie
Valve Material	Brass
Connection Fitting	CGA-180

The lecture bottle is a secondary standard that is made by diluting gas from a primary standard with a tritium concentration traceable to NIST

Nominal available concentrations:

50 μ Ci per liter

20 μ Ci per liter

7 μ Ci per liter

Note: check for availability when ordering

Regulations require our customers to furnish a copy of their license for radioactive materials permitting them to possess H3 gas. Amount of radioactive material is an exempt quantity and shall not exceed 1 mCi .



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