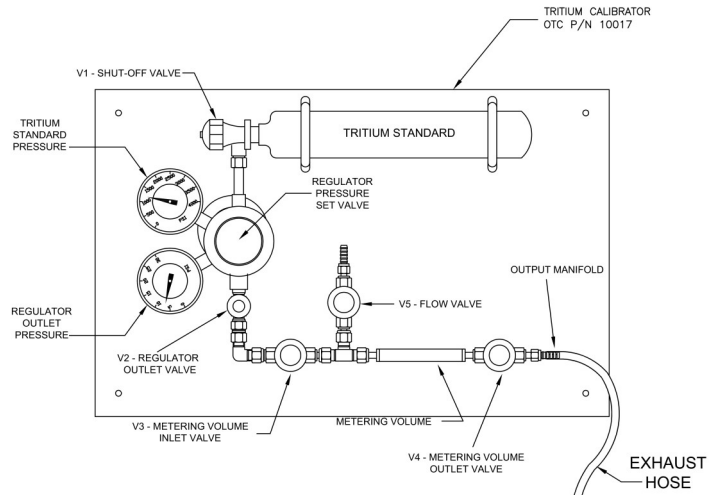
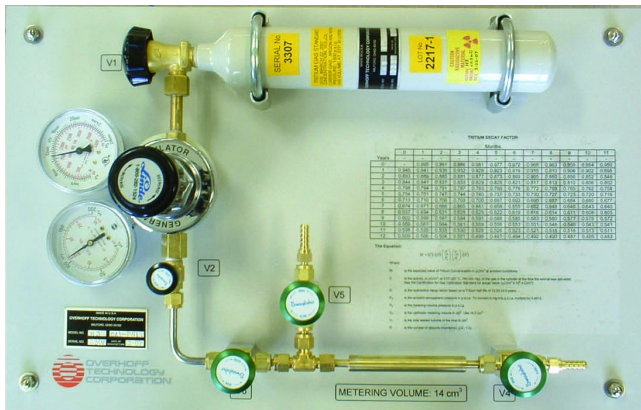


CALIBRATION EQUIPMENT AND TESTING

Gas Calibrator, P/N CALG

The Gas Calibrator panel is supplied with all the components needed to accurately calibrate your OTC tritium monitors, including: pressure regulator, piping manifold, gages, valves, metering volume, and a lecture bottle containing tritium calibration gas. Note: Can be ordered with or without the tritium gas lecture bottle.



Tritium Gas Calibration Standard, Certified <1mCi Lecture Bottle, P/N CALL

This lecture bottle contains <1mCi of tritium calibration gas and carrier gas contained in steel DOT 3E 1800 lecture bottle at a nominal pressure of 550 psig $\pm 10\%$. Furnished with a brass shut-off valve and CGA-180 fitting. Choice of tritium concentration: 20 or 40 $\mu\text{Ci/L}$, actual concentration can vary $\pm 20\%$ from the nominal value.

Calibration Resistor, P/N CALR

Ultra-high meg ohm resistor, certified to about 1 % precision, used for electrical calibration (or verification) of the tritium monitors response. Electrical calibration involves using a calibrated resistor and injecting a known electric current directly to the Overhoff ionization chamber electrometer module which is fitted with a BNC receptacle. Knowing the effective volume of the ionization chamber and using Ohm's law, a voltage value can be calculated based upon the precise resistance and the specified simulated ionization current. While this method is especially useful for calibration at high levels (since it is undesirable to work with high levels of radioactive tritium gas), electrical calibration is certainly valid for all levels of measurement.

