

# Calibrating Solid State Sensors

ITEMS REQUIRED TO CALIBRATE A GAS DETECTOR WITH A SOLID STATE REFRIGERANT OR TVOC SENSOR USING A 34L, 58L, 78L OR 100L CYLINDER OF GAS:



Flowing dry gas over solid state sensors can result in a negative reaction and inaccurate readings. Use the humidification chamber to increase the humidity and recreate a real-world environment for the sensor. Wet the sponge with water and gently squeeze out the excess. It should be quite damp before reinserting it into the humidification chamber. Remember to remove and dry out the sponge after use.



NUMBER	FUNCTION	PART NUMBER
1	Grey calibration adapter plug with o-ring and two zeroing port nozzles. Fits industry standard internal sensor vent openings. Comes attached to standard tubing.	CET-7000-CAP
2	Standard tubing (approx 61 cm / 2 ft long) included and attached to calibration adapter plug	n/a
3	Regulator for fixed flow @0.5 LPM. Fits 34 L, 58 L, 74 L, and 100 L cylinders	REG-0715-CR2
4	Span Gas / Zero Gas cylinder, with air balance ONLY (nitrogen balance could cause a negative sensor response)	various
5	Humidification chamber with sponge for calibrating solid state refrigerant and TVOC sensors	CET-8000-HC