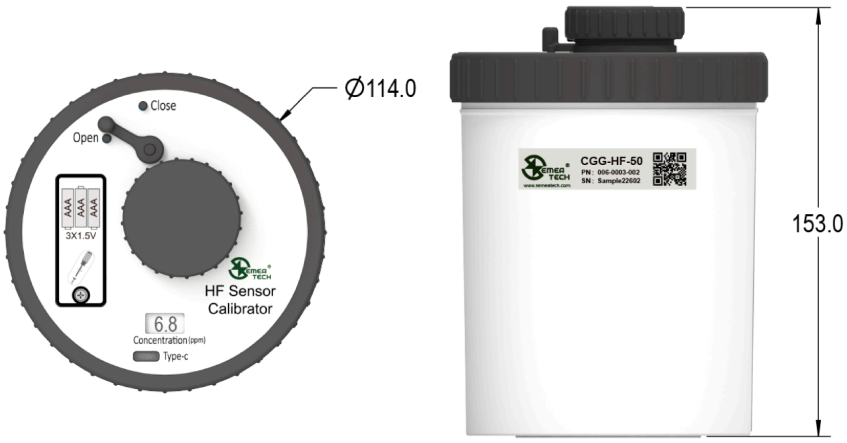
SEMEATECH · SUPPLIED BY SPANTECH

HF SENSOR CALIBRATOR

Model CGG-HF-50 · Part no. 006-0003-002



Dimensions in mm.

DESCRIPTION

This hydrogen fluoride (HF) sensor calibrator is designed for the calibration and bump test of HF gas detectors and sensors. It can be used in the laboratory and is also convenient to use in the field. The device consists of a HF gas carrier, an equilibrium gas chamber, an on/off valve and an LCD display. It is reliable and easy to operate.

The gas carrier releases or absorbs HF in the equilibrium chamber according to the ambient temperature. At a given temperature the concentration in the chamber is constant and is shown on the LCD display.

OPERATING INSTRUCTIONS

Before a calibration or bump test, allow the calibrator 30 minutes or longer to settle in the room where the test will be carried out, until the LCD reading is stable. Then:

1. Turn the toggle switch to the OFF position.
2. Unscrew the sealing cap, connect the sensor to the valve, then turn the toggle switch to ON to start the calibration or bump test.
3. When the calibration or bump test is complete, turn the toggle switch to OFF and remove the sensor.
4. Refit the sealing cap and tighten it before the next use.

TECHNICAL DATA

Concentration range	1 – 50 ppm
Accuracy	±15%
Operating temperature	15 – 30 °C
Pressure range	1 ± 0.1 atm
Humidity range	15 – 90% RH, non-condensing
Storage temperature	10 – 30 °C
Operating life	6 months or 200 tests, whichever occurs first
Power supply	3 × AAA batteries, or 5 V DC via USB-C cable
Housing material	PP container, PA66 cap
Weight (nominal)	220 g

Handle the calibrator gently after taking it out of storage and do not shake it, as this can affect accuracy. Tighten the sealing cap as soon as possible after use. This is a disposable product; the HF gas carrier cannot be replaced.