Product Specification

HF Sensor Calibrator **(CGG-HF-50) (PN:006-0003-002)**

• Description

This hydrogen fluoride (HF) sensor calibrator is designed for the calibration and bump test of HF gas detectors or sensors. It can be used in the laboratory and is also convenient to use in the field. This 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.

• Main Features

The HF gas carrier exchanges (either desorbs or absorbs) the HF gas in the equilibrium gas chamber based on the ambient temperature. Under a given temperature, the concentration of the HF gas in the chamber is constant and shown on the LCD display. This device not only provides convenience but also better and more reliable HF gas concentration accuracy.

• Performance Characteristics

Concentration range(HF):	1 ~ 50 ppm
Accuracy:	+/-15%

• Environmental

Temperature Range:	15°C ~ 30°C
Pressure Range:	1 ± 0.1 atm
Humidity Range:	15% ~ 90%RH non-condensing

• Life Time

Recommended Storage Temp:	10°C ~ 30°C
Expected Operating Life:	6 months or 200 times(Whichever occurs first)

• Physical Characteristics

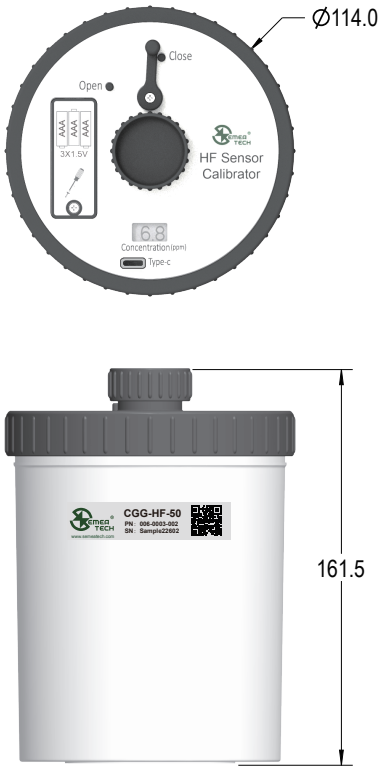
Housing Material:	Container PP, Cap PA66
Weight (Nominal):	220 g

• Operating Instructions

Before starting the calibration or bump test, the HF sensor calibrator needs 30 minutes or longer to be initialized in the environment where the calibration or bump test will be conducted. During this process, the temperature of the HF sensor calibrator will gradually match the ambient temperature until the LCD readout is stable (the best accuracy of the HF gas concentration is achieved). After initialization, please follow the steps below to conduct a calibration or bump test.

1) Turn the toggle switch to the OFF position.
2) Unscrew the sealing cap, connect the sensor to the valve, and then turn the toggle switch to the ON position to start the calibration or bump test.
3) After completing the calibration or bump test, turn the toggle switch to the OFF position and then pull out the sensor.
4) Replace the sealing cap and tighten it before the next use.

• Product Dimensions



All dimensions in mm
All tolerances ±0.30mm unless otherwise stated

• Power Supply Modes

There are two power supply modes for this device. Mode #1: Install 3 AAA batteries in the battery compartment to power the device. Mode #2: Connect the device to DC 5V with a USB cable if AAA batteries are not installed.

• Note

Handle the device gently after taking it out of the storage location. Don't shake it violently so as not to affect the accuracy of the test. In addition, tighten the sealing cap as soon as possible after calibration. This is a disposable product, and the HF gas carrier can't be replaced.

Website: www.semeatech.com
E-mail: info_us@semeatech.com

REV.: 2023/01