

External Calibration

Calibration system with permeation tubes
Designed for automatic validation of results

Permeation
Tubes

ppb
calibration

Sample
analysis

Temperature
Controlled
Oven



XXX939

Complete system for sulfur and VOC analysis

*Chromatotec® is specialized in VOC, Sulfur and permanent gases analysis at trace and ultra trace levels (ppm, ppb, ppt).
Please visit our website for more details.*

Updated: May 2017

External Calibration

Calibration System with permeation tubes



Principle:

Same calibration as XXX931 but outside the analyser.

The permeation tube, swept by a constant stream of pure gas (constant output which can be modified thanks to the pressure regulator), is installed in an oven regulated in temperature outside the analyzer and delivers a constant concentration of standard.

This feature allows validating all the analyses.

The gas of dilution used may be nitrogen or zero air (continuous output 50 ml / min and in dilution 300mL / min). In the sequence we program analyses and calibrations.

The electric gate of switching is included with a permeation tube (Benzene or DMS in standard).

A rotameter indicate the total dilution flow value used as working standard.*

Example :

· CALIB: Sample generated one permeation oven containing certified permeation tubes (e.g.: N-Butane, N-Hexane, Benzene, H₂S, DMS...). One permeation tube is delivered in standard with the calibrator. Other permeation tubes are available upon request ; a maximum of 4 tubes may be placed in one permeation oven.

· Ambient air: Sample from the analyzer (ambient air)

Product technical specifications:

Permeation tubes:

N-Butane, N-Hexane, Benzene or DMS in standard and short delivery time
H₂S, Mercaptans, Toluene, Xylenes... upon request

Cycle Time :

Depending on the analyzer or required sensibility

Gas supply:

Air zero or nitrogen for dilution

Power supply :

- Main (230V / 115V 50 Hz/60Hz)

Electrical consumption :

Average : 50 W

Peak : 100 W

Dimensions :

- Width: 140 mm

- Depth: 340 mm

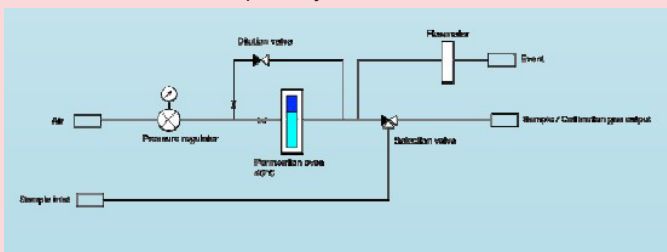
- Height: 220 mm

Weight :

2 kg without package

Options:

* BIOS Definer 220 used for primary flow calibration



To order:

External calibrator oven with 1 permeation tube in the own box

Model:

XXX939

Chromatotec® is continuously improving its products, therefore these specifications are subject to change without notice

To contact us: info@chromatotec.com



NORTH AMERICA

CHROMATOTEC Inc.
18333 Egret Bay Blvd, Suite 270,
Houston TX 77058 - USA
Phone: +1 (281) 335 4944
Fax: +1 (281) 335 4943

EUROPE

AIRMOTEC AG SAS
15 rue d'Artiguelongue
33240 Saint-Antoine - FRANCE
Phone: +33 (0) 557 940 626
Fax: +33 (0) 557 940 620

ASIA

Chromatotec Trading (Beijing) Co., Ltd.
Room 1806, Building 1,
Wanda Plaza, No.93, Jianguo Avenue,
Chaoyang District,
Beijing 100022 - CHINA
Phone : +86 (0) 105 960 3283