

External Calibration

Calibration system with permeation tubes
Designed for automatic validation of results



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: March 2024

Permeation
Tubes

ppb
calibration

Sample
analysis

Temperature
Controlled Oven

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

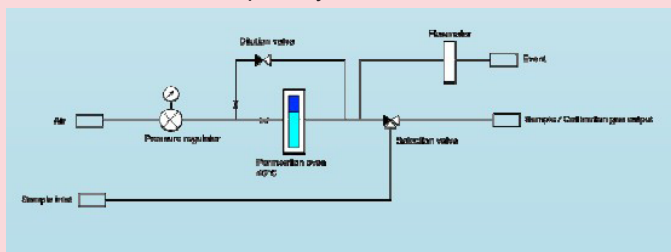
- Height: 220 mm

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: sales@chromatotec.com

NORTH AMERICA
Houston - USA

EUROPE
Bordeaux - FRANCE

ASIA
Beijing - CHINA

WWW.CHROMATOTEC.COM