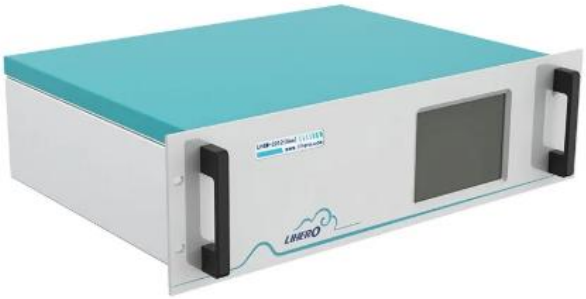
LHGM-2012 Multi-Gas Dynamic Calibrator



This product uses a flow controller based on the laminar differential pressure measurement principle to control the raw gas and dilution gas. Since the controller has its own temperature and pressure compensation, it does not need to control the external environment temperature and gas pressure to achieve high-precision control of the single-channel gas flow.

Automatic calibration: Automatically calibrate the flow controller to reduce the error between flow controllers and improve the accuracy of gas distribution concentration.

Multi-channel standard gas interface: Equipped with a multi-channel standard gas interface, no need to frequently plug and unplug the pipeline, convenient and fast.

Real-time cleaning function: After the gas distribution is completed, the pipeline and the inside of the controller can be cleaned with dilution gas (N2), which greatly improves the service life of the instrument.

Humanized interface: Touch screen interface, easy to operate, fast and intuitive display.

Technical Specification

Automatic calibration: automatically calibrate the flow controller to reduce the error between the flow controllers and improve the accuracy of the gas distribution concentration.

Multi-channel standard gas interface: Multi-channel standard gas interface is provided, which is convenient and fast without frequent plugging and unplugging of pipelines.

Real-time cleaning function: after gas distribution, diluent gas (N2) can be used to clean

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pipeline and the inside of the controller, which greatly improves the service life of the instrument.

Humanized interface: Touch screen interface, easy to operate, fast, intuitive display.

Dilution ratio 100:1 ~ 1000:1 (two-way standard configuration, can be customized according to user's needs)

Standard Gas Inlet Port: 4 ports

Flow linearity error ±0.5%

Accuracy ≤±1.5%

Linearity error (including ozone) ±1.0%

Ozone Generator: Built in

Stabilization time 30s

Warm-up time 5 min

Operating temperature 5℃～45℃

Relative humidity: ≤ 90%

Power supply characteristics: AC 220V ± 22V

Power frequency: 50Hz ± 0.5Hz

Maximum power: 150W

Insulation resistance: ≥ 20 MΩ

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