ECO PHYSICS **DIL 200/400**

APPLICATION EXAMPLES

- Gas mixing
- Sample preparation
- Certification and calibration
- Research and development
- Process engineering

The ECO PHYSICS dilution system DIL 200/400 is designed to calibrate gas analyzers manually or remotely controlled. The device is equipped with digital mass flow controllers for highest accuracy.

Precise Dilution

The DIL 200/400 dilution system serves as a straightforward dilution tool. The carrier gas may be zero air from a generator, such as the ECO PHYSICS PAG 003, compressed air or pure nitrogen from a gas bottle or any other suitable gas. The dilution gas can be a highly concentrated calibration gas, a gas mixture or a toxic gas that is rendered in noxious by lowering the concentration. The DIL 200 is the standard product for one carrier gas and one dilution gas in channel A, while the DIL 400 has a second channel B with a total of four mass flow controllers (MFC). The half 19" DIL units fit perfectly into a 19" rack, alongside with instruments for analysis of greenhouse gases, such as NO_X or O_3.

Maintenance

The DIL 200/400 is designed for continuous unattended operation with no maintenance. For highest precision, periodic recalibration of mass flow controllers is recommended.

Gas flow regulation

Carrier gas (c)	0.1 - 10 l/min
Dilution gas (g)	1 - 100 ml/min
Accuracy	±0.5 % full scale
Linearity	±0.3 % full scale
Input flow	10 l/min (max.)
Input pressure	3-9 bar
Output flow	10 l/min (max.)
Dilution ratio	1:10 – 1:1000

Operating specifications

Gas connections	1/4" Swagelok (c) 1/8" Swagelok (d)
Supply voltage	100-240 V
Power consumption	100 VA max
Dimensions	½ 19" rack (4 HU) 36x21.1x17.3 cm
Weight	8.6 kg

Measurably better

ECO PHYSICS reserves the right to change these specifications without notice.

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