

Sonimix 2106 LCD-PreDil Predivider

Description

The binary Predivider model LNI Sonimix 2106 is based on the principle of gas stream through sonic nozzles and is built according to the ISO 6145/6 normalization.

Most accurate device on the market (0.5% rel.)

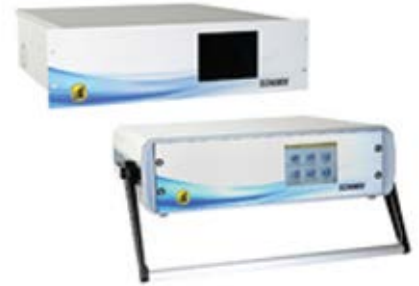
Dilution steps are :

- 1/1
- 1/10
- 1/100
- 1/1000

Functioning principle:

The Sonimix 2106 PreDil perform predilutions (1/1, 1/10, 1/100, 1/1000) from high concentration gas cylinders. It makes automatic calculation in function of the used gas types. The Sonimix 2106 PreDil is compatible with all the Sonimix 2106 and 7000 gas divider series.

The precision, stability and reproducibility of the generated mixtures are due to the joint use of sonic nozzles and high precision mechanical pressure regulators.



- ☒ **High accuracy and stability**
- ☒ **Remote command**
- ☒ **No maintenance**
- ☒ **Compatible with corrosive gases**

Applications



The Sonimix 2106 PreDil is mainly used to increase the dilution range of the Sonimix 2106 or 7000 gas dividers.

Specifications

Flow rate :	5 L/min +/-10% (other flow rate upon request)
Dilution Steps :	1/1, 1/10, 1/100, 1/1000 Dilution by High precision Pressure regulator and sonic nozzles (ISO 6145-6 technology)
Carrier Gas :	Requires dry (-40°C DP) Air, Nitrogen or other carrier gas
Premixed gases :	Compatible with corrosive gases up to 10% (if option installed)
Accuracy :	better than 0.5% relative / repeatability better than 0.2% relative
Pressure :	Inlets : 6 bar rel / outlet up to 3 bar rel (other pressure upon request)
Fittings :	Swagelok 1/4"
Tightness :	< 10 ⁻⁷ mbar l/s verified by He detection
User interface :	LCD touch pad graphic display
Remote command :	RS 232 / ETHERNET/ USB : only for log file download or software update
Warm up time :	immediate
Stabilization time :	less than 1 min (once the device has warmed up)
Power consumption :	max 150 [Watt]
Power requirements :	230V/50-60Hz - 115V/60Hz - 100V/50-60Hz
Dimensions [cm] :	19" 3HE/84 TE , 500mm deep / portable casing in option
Shipping Dim [cm] :	41x51x50 (WxDxH)
Net weight [kg] :	15 Kg
Shipping weight [kg]:	17 Kg

Options – Accessories – Spare parts

Sonimix 2106 PreDil article numbers : 6800 10 BCC

B = Gases	CC = Total Flow
0 = standard gases	25 = Total flow 2.5NI/min +/-10%
1 = corrosive gases	50 = Total flow 5NI/min +/-10%

Example : 6800 10 150 = Sonimix 2106 PreDil for corrosive gases, flow 5 NI/min

Options:

6700 05 103.1	4 Diluted additional inlets (max 3x4 inlets or max 1x4 if Nox converter tester installed)
6800 10 000	Portable casing
6709 00 300	PC software to drive the SONIMIX 2106
6704 08 073.3	ISO 17025 Calibration certificate
6700 13 867	Voltage 230V / 50/60 Hz
6700 13 868	Voltage 117V / 50/60 Hz
6700 13 869	Voltage 100V / 50/60 Hz

Consumables:

6704 08 551	Set of inlet filters (5 pces)
-------------	-------------------------------



Schmidlin
Swiss Made  Innovation

46 chemin de l'étang
1219 Geneva - Switzerland

Phone +41 22 979 37 24
Fax +41 22 979 37 20

info@lni-schmidlin.com
www.lni-schmidlin.com

