

SONIMIX 7050

Gas mixer

The **Sonimix 7050** is a simplified gas mixer based on the principle of gas stream through mass flow controllers (MFC) and mainly used to calibrate and linearize Gas Monitors. Built according to the ISO 6145/7 normalization, the **Sonimix 7050** is totally compatible with the US EPA methods and can be easily linked with National Standards (NIST, METAS, UKAS...).

The **Sonimix 7050** Multi range gas mixer performs a large range of gas mixtures from high concentration gas cylinders .

Main applications

- To fulfill the ISO 14 481 standard
- Laboratory (quality control of gas Monitors)
- Interference measurement
- Gas monitors / gas sensors manufacturer calibration
- To generate specific atmospheres

Main advantages

- ✓ Good accuracy and stability
- ✓ Remote control
- ✓ Maintenance free
- ✓ High dilution range
- ✓ US EPA method





Specifications

Model: SX 7050	SX 7050 2L1R	SX 7050 2L2R	SX 7050 2L3R
Flow rate (Max)	3,5 or 5 L /min (other flow under request)		
Dilution	MFC (mass Flow Controllers)		
Dilution range	10% to 100%	1% to 100%	0.1% to 100%
Carrier gas	Requires dry (-40°C DP) Air, Nitrogen or other		
Accuracy of Flow	±(0,5% RD + 0,1% FS)		
Repeatability of Flow	0.2% RD		
Flow control Stability	0.1% FS		
Flow Temperature Sensitivity	zero: < 0,05% FS/°C; span: < 0,05% Rd/°C		
Flow Pressure sensitivity	0,1% Rd/bar typical N2; 0,01% Rd/bar typical H2		
Inlet pressure	3 bar rel		
Outlet pressure	atm + 150 mb max (other pressure upon request)		
Warm up time	< 45 min		
Stabilization time	< 1 min (once the device has warmed up)		
Communication			
Connections	Swagelok 1/4"		
Remote command	RS 232 / Ethernet / USB		
General data			
Supply voltage	230V/50-60Hz - 115V/60Hz - 100V/50-60Hz		
Rated power (max)	min 65 to max 150 [Watt]		
Dimensions	19" 3HE/84 TE , 500mm deep / portable casing in option		
Net weight	15 to 20 Kg		

Ordering codes

6900 06 135
6900 06 150
6900 06 435
6900 06 450
6900 06 635
6900 06 650

Options

6800 10 000
S70408073.3

SX 7050 2L1R 3,5NI/min
SX 7050 2L1R 5 NI/min
SX 7050 2L2R 3,5 NI/min
SX 7050 2L2R 5 NI/min
SX 7050 2L3R 3,5 NI/min
SX 7050 2L3R 5 NI/min

Portable casing
ISO 17025 Calibration certificate