



Sonimix 2106 gas mixer

Accurate calibration of GC instruments

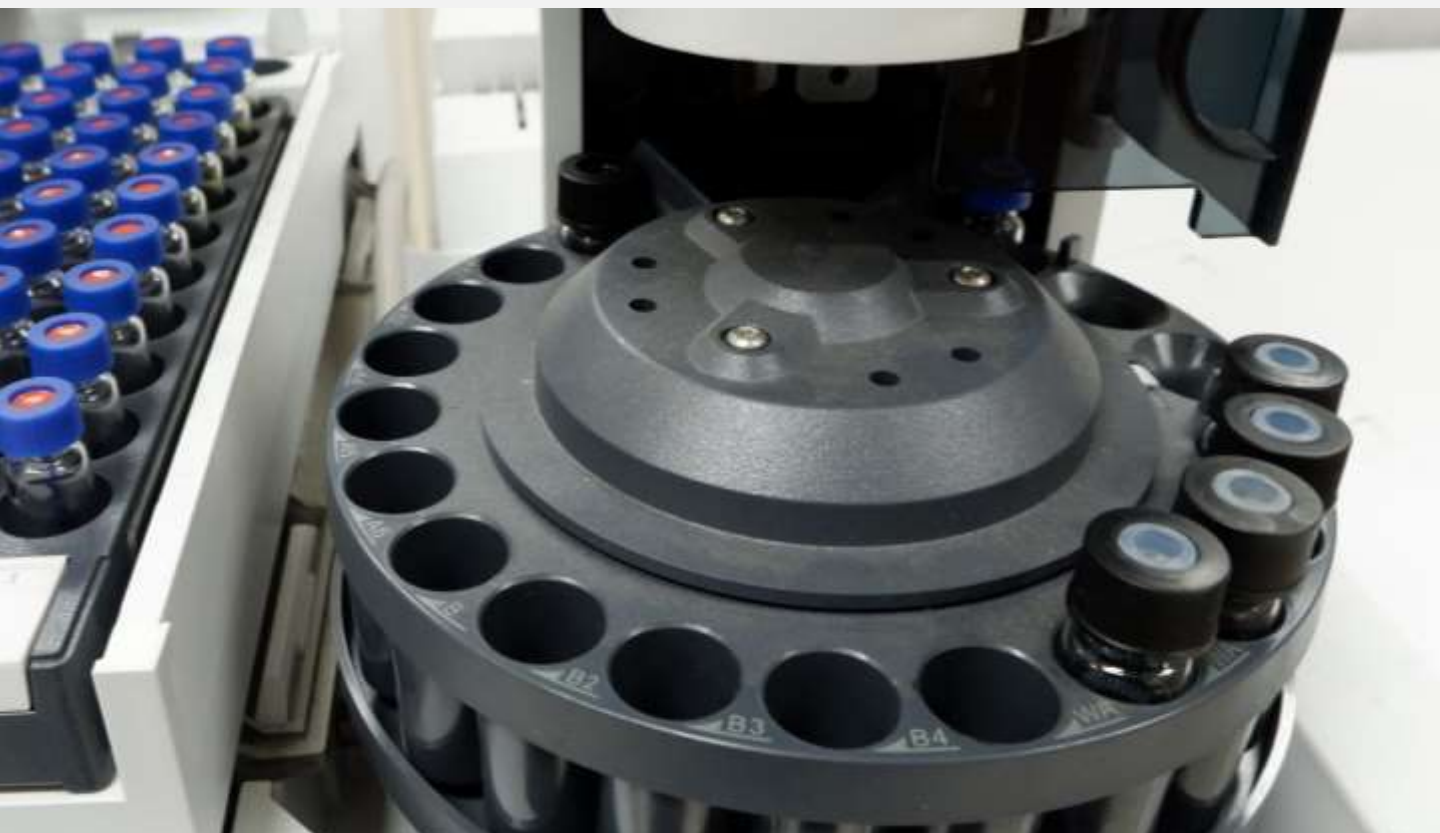


R Evolution
in Gas Calibration Systems



Why calibrating GC devices?

Gas chromatography is used in the analytical world to separate and identify components in a gas sample. Gas chromatographs need to have the highest possible **accuracy**. To reach that goal the GC instruments need to be calibrated and linearized on a regular basis with the most accurate gas reference concentration. The LNI Swissgas calibration systems allow to check or adjust the different gas monitors with the **lowest uncertainty**. It helps also to prevent the deterioration of measurement devices and to keep them accurate and precise.



LNI calibration systems

Our gas calibration systems have big advantages compared with low concentration gas cylinders: better **stability**, **accuracy** and **cheaper**. LNI Swissgas provides different types of gas mixers and calibrators for GCs calibration. Our range of product can create different gas mixtures, with nitrogen (N₂), Air, carbon dioxide (CO₂), oxygen (O₂), Argon (Ar) and helium (He) as carrier gas to support Gas Chromatographers in calibrating their instruments. Our premium gas calibration systems have demonstrated to be the **best in class** on the market in every state of the world. They provide precision, reliability and versatility. Linearity and calibration of test bench become very simple.



GCs calibration with SX 2106

Our **Sonimix 2106** is a gas mixer mainly used to calibrate and linearize gas monitors, gas sensors and GCs by generating dynamic gas mixtures. Based on the principle of gas flow through sonic nozzles, our Sonimix 2106 enables real **accurate calibration** of GCs and ensure research studies of Gas Chromatographers to be conducted with the **highest precision**.

- The dilution gas line flow accuracy reaches **< 0.25 %** of set point
- Accuracy on concentration achieved on the highest dilution ratio reaches **< 0.5%**.
- Generates binary mixtures from **0 to 100%** in fixed steps in a pure mechanical process without electronic regulation and without any influence from ambient pressure or temperature.



GC calibration with SX 2106

Repeatability and reproducibility of flow measurements and generated concentrations are also important for Chromatography.

Sonimix 2106:

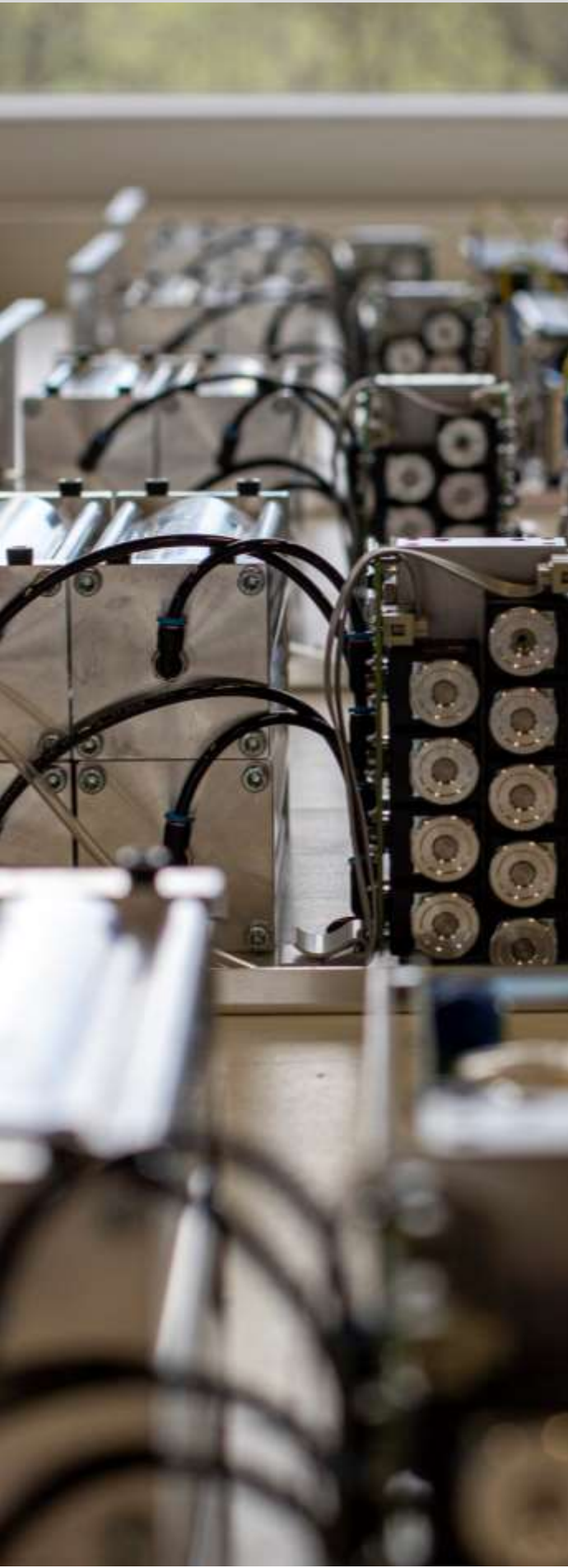
- Repeatability on flow is **below 0.1%**
- Repeatability on concentration **better than 0.14% relative**.

The touch-screen LCD interface provides simple and **user-friendly** management of all functions on the unit. Optional Auto Diagnostic functions for quick check of the instrument performances (patented) and optional **ISO 17025 calibration reports** from our accredited laboratory are available.

Built according the ISO 6145/6 standards, the Sonimix 2106 is thus an essential tool to control the quality of gas monitors in the laboratory of gas chromatographers.



LNI Swissgas and calibration



Over 30 years of experience in gas calibration systems

LNI Swissgas is a multinational reference in manufacturing premium gas mixers and gas calibrators for analytical, industrial and environmental application.

Gas calibration systems

Our gas calibration systems are produced in Versoix, Switzerland. LNI's premium gas mixers and calibrators are designed with passion and precision and include exclusive features adopting the latest technologies.

Not only gas calibration systems

LNI Swissgas is also producer of gas generators.

Contact us!

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