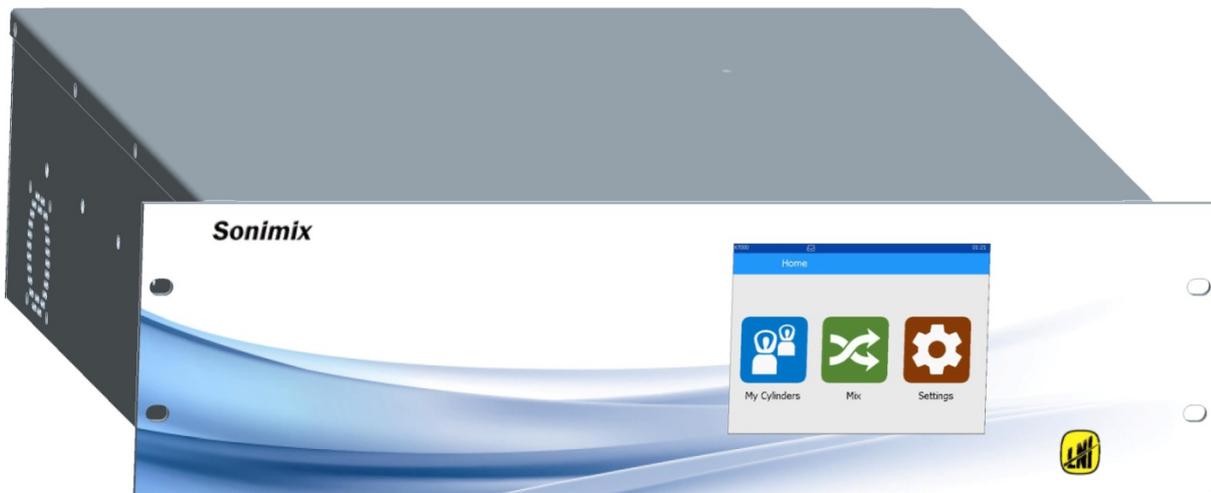


# The high performances gas diluter/calibrator from LNI Swissgas



LNI Swissgas SA in Geneva/Switzerland is proud to announce the launch of the new gas diluter/calibrator: the Sonimix Sx7100.

The Sx7100 is the 2<sup>nd</sup> generation of the previous Sx7000. It uses a combination of high precision Mass Flow Controllers (MFC's) according to the norm ISO 6145-7.

The goal of the Sx7100 is to reduce the amount of gas cylinders standards and generate any mixture concentration of up to 6 gases, including 1 balance gas.

The device has very high operation capacity for gas standards generation, by combining combine up to 6 lines (5 sources + 1 balance) and with 3 concentration decades each. This makes this diluter one of the most flexible and powerful of the market.

The Sx7100 interface has a clear and intuitive menu on a wide color touch screen which can be replicate on a PC for remote operation. This simplifies operator's job when configuring and operating the instrument. After introducing the target concentration, the embedded software calculates each line flow from any source of either single or multi-component gas mixture. Mixtures sequences can be combined to generate complex automated scenarios and can be stored for further use.

The device includes quick lines purge routines, reducing significantly the stabilization time when applying large dilution ratios changes. Calibration can be done with any reference gas of known concentration; the strong algorithm corrects MFC's non linearity by taking care of critical dilution ranges. Both features provide higher long term accuracy than typical gas calibrators using single gas factors. The menu includes also a diagnostic tool to check all internal and external lines of the instrument for complete system verification.

Ethernet and USB ports allow to communicate easily with the Sx7100 for different purpose such configuration, data download, software update, etc. Finally, the calibrator can be delivered with an optional calibration report from the company ISO 17025 accredited laboratory which provides uncertainties values for specific dilution ranges.

Sx 7100 is used for a wide range of applications such as calibration of instrumentation for ambient air and emission monitoring, engine emission in the automotive industry, specialty gases and R&D laboratories.