

Swisens Atomizer allows for a controlled nebulization of particles from a few microns up to several hundreds of micrometers in diameter. Swisens Atomizer is recommended for the calibration of new particles (pollen, spores, etc.) for Swisens Poleno or other measurement devices.

Swisens Atomizer Function Principle

Pollen or other particles filled in standard macro cuvettes (12,5 x 12,5 x 45 mm³) are swirled by a vibrating plate and transported to the desired location by two independently adjustable airstreams. Depending on the settings, a stable concentration can be produced over a long period. There are preset settings for different types of particles. Settings can be changed via built-in UI, USB or smartphone app. The device can be easily attached to a standard Sigma-2 inlet. Swisens Atomizer comes with an enclosure and HEPA filters to keep out unwanted particles.

Specifications Of Swisens Atomizer

Dimension: 145 x 90 x 160 mm³ (W x D x H)

Interface: e-Ink display (daylight-readable) with buttons; Bluetooth LE; USB;

Weight: ~ 0.8kg (excl. Sigma-2 inlet, fix. bracket)

Battery life: ~ 6h (depending on settings)

Load time: ~ 8h on USB port

Battery: LiFePO₄, 1 S, 6000 mAh

