

FACT SHEET

• Flow Recorder



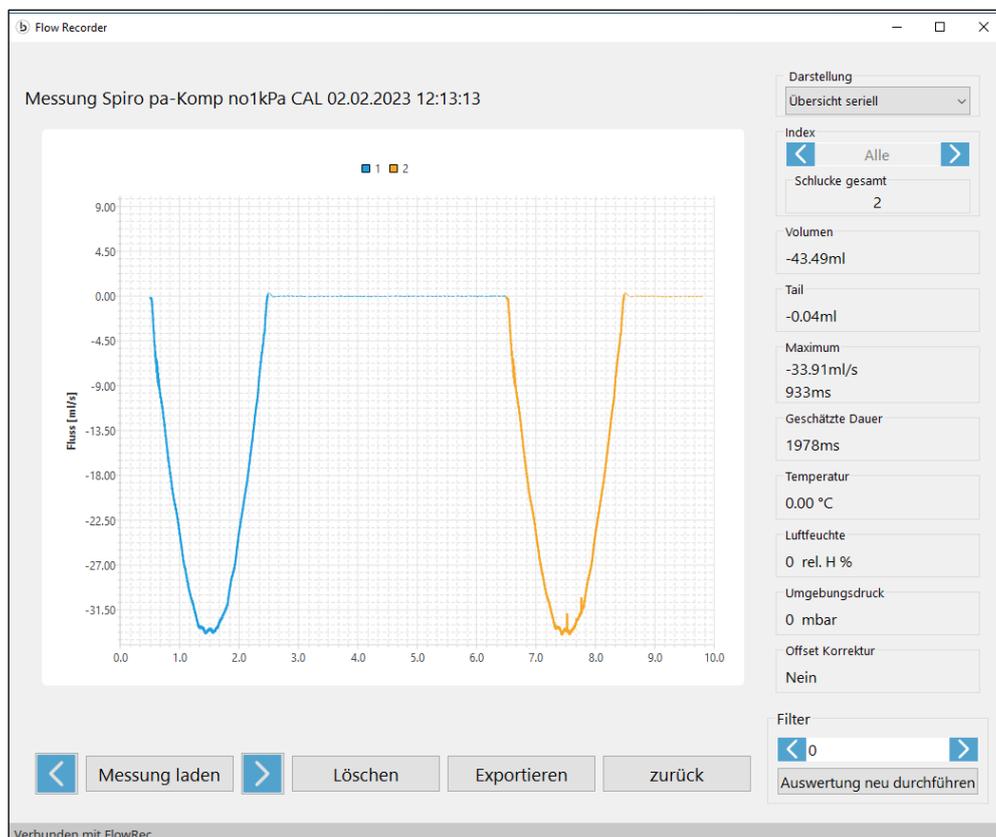
Description

The Burghart Flow Recorder measures the flow through the device with high resolution.

The profile of the flow is recorded, analyzed, and can be matched against fail criteria.

Features

- Puff profiling according to ISO3308 and ISO20778
 - Flow profile, flow maximum, tail volume, puff volume, puff duration
 - Adjustable threshold
 - Instant puff analysis and evaluation against fail criteria
- Validated against ISO7210
- E-paper display for showing current values and puff shape (200 x 200 px)
- Detection of individual puffs in series measurement
 - Single values and average values of puff series (volume, tail, peak flow, etc.)
- Optional resistance to draw measurement
- Handheld wireless sensor unit
- Evaluation App for operation systems IOS, Android and Windows (Tablet supported)
- Future proof due to state-of-the-art platform-independent programming
- Flow is measured by highly linear Laminar Flow Element (LFE)
 - The LFE can be exchanged and customized (e.g., for repair and re-calibration)
 - Customized LFEs for flows up to 500 ml/s (e.g., Shisha puffing)
- Measurements stored in database, exportable as CSV.



Technical data

Resolution:	200 measurements per second
Accuracy:	± 1 % at 22°C
Max. flow:	100 ml/s (or customized)
Max. measurement duration:	No limit
Temperature coefficient:	<0,05 %/K
Humidity coefficient:	no effect of humidity on measurements
Power consumption:	<20 mW
Operating voltage:	3 V
Charging voltage:	5 V (USB-C)
Operation temperature range:	15°C to 30°C
Operation humidity range:	15% to 70%
Dimensions:	141 x 61 x 46 mm
Net weight:	195 g