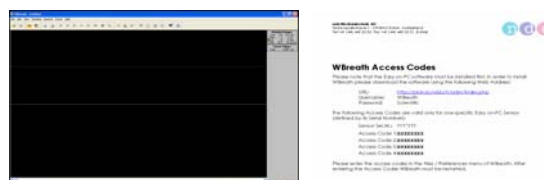




Easy on-PC Sensor



10 Spirettes





W-Breath Software¹ / W-Breath Access Codes

Spiroson-AS is an ultrasonic flow sensor for OEM customers of ndd. The sensor uses digital ultrasonic flow measurement technology for fast, accurate and reliable operation. Spiroson-AS is designed for full range testing in primary care, specialty physician, industrial and hospital settings.

The sensor can be used for PC-based spirometry, flow measurement in embedded systems, exercise testing and even critical care applications.

The sensor design can be adapted to customer needs. Lightweight handle with integrated electronics and extremely lightweight sensor for exercise testing are available.

Features

- Electronic hardware includes data acquisition for flow , molmass  and case temperature
- Flow measurement independent of gas composition, temperature and humidity
- No user calibration required
- Extremely high reliability, no moving parts
- Disposable spirette™ breathing tube for optimal hygiene
- USB interface

Specifications

Measurement principle:	ultrasonic transit-time
Breathing tube diameter*:	20 mm (ID)
Sensor weight*:	approx. 100 g (not including cable)
Dead space*:	30 ml
Flow Accuracy*:	±3% or 20 ml/s
Flow Range*:	±16 l/s
Flow Sampling Rate:	200 Hz
Interface type:	USB
Electronics board dimensions:	length 81.5 mm, width 33.5 mm
Power Supply:	USB: 5 V @ approx. 200 mA

* The listed specifications apply for the standard flow sensor size. Resolution, range and dead space can be scaled by changing the flow path geometry.

Part Nr.	Sensor Type	Interface	Power Supply
2700-SCIENTIFIC	Easy on-PC	USB (5 V)	USB standard (5V)

Contact

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2700-1SCIENTIFIC.doc

¹ download URL: <http://pickup.ndd.ch/adm/index.php>
Username: WBreath
Password: Scientific