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smart *pft* USB

smart pft USB is our very powerful testing device for a **comfortable and reliable** lung function screening. Spirometry and especially Flow/Volume testing require full patient collaboration to achieve evaluable testing results. This is why our Spirometry device is **ergonomically designed**, so the user feels comfortable giving maximum effort. Just by taking the device into your hand, you feel the difference.

We see **high accuracy and robust design** as pre-conditions for such a device.

Our **30 years of experience** developing full-range lung function testing systems guarantee a high-class and user-friendly product to support your daily testing routine.

Test programs

Spirometry

VC, IC, TV, IRV, ERV ...

Dynamic lung volumes

FEV1, MEF25-75, PEF, FVC ...





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Available measurement options

Respiratory drive (P0.1/MIP/MEP)

Airway resistance (ROCC)

Rhinomanometry

Compliance

Challenge testing

Flow measurement

Sensor type smartV S Pneumotachograph

Range up to 14 l/s

Accuracy < 3%

Resistance < 0.13 kPa/l*s @ 14 l/s

Bluetooth (optional)

Standard 4.1

Security Secure AES128 encryption

Range < 100 meters

Ambient measurement (optional)

Parameter	Measuring range	Accuracy
Pressure	500 mBar - 1150 mBar	± 10 mBar
Temperature	- 40 °C to + 125 °C	± 0.2 °C
Humidity	0 % - 100 % RH	± 1.8 % RH

