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smart *pft* CO transfer

Nowadays, CO-Diffusion testing has reached importance in pulmonary function testing like never before. smart pft CO transfer devices allow **comfortable and reliable testing of single breath diffusion capacity** for diagnostics and trend screening.

Our powerful testing software allows running a **full software-triggered measurement sequence**, reducing the risk of significant testing fails.

Advanced and long-term tested software algorithms help calculate measurements with very small vital capacity. Very **selective, accurate and long-term stable gas analyzers** make the device very reliable and nearly maintenance-free.

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 ...

CO Diffusion

TLCO, KCO, VA, TLC, RV, FRC ...





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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 Pneumotachograph

Range up to 14 l/s

Accuracy < 3%

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

Multigas analyser

Type Infrared absorption

Test gas CO 0.3 %, CH₄ 0.3 %

Range 0 ppm - 3300 ppm

Accuracy ± 1 %

Ambient measurement

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

