



medical equipment europe

smart *pft* co transfer

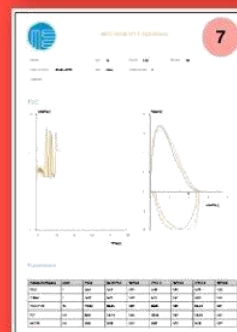
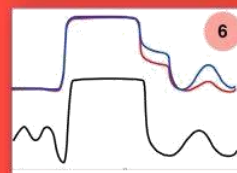
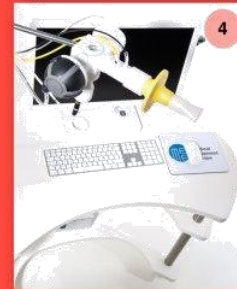
Fast, linear and selective gas analysis for precise CO transfer testing

- 1 CO transfer testing system with table, 3D stand and test gas bottle.
- 2 Stable metal box with gas analyzer, ambient condition sensors and micro processor unit. The gas analyzer unit is selective and very linear with a fast response time.
- 3 Low resistance demand valve for efficient gas supply.
- 4 Flow sensor with shutter and demand valve with low dead space. Flow sensor type is a variable orifice with low resistance at all flow rates. It is not influenced by any breathing humidity.
- 5 Gas bottle holder as extension for the table is included as standard.
- 6 Online gas and volume graphs to avoid errors during the maneuver.
- 7 A comfortable report generator allows modification of existing print templates and to create new print templates.



Safe auto zeroing means, the patient can breath during the zeroing procedure. Ambient conditions sensors make the input of these data unnecessary. We want to make the lung function testing as safe and simple as possible. The test software is programmed using C# for .NET, a SQL server based data base guarantees a save data management in large networks and high data volume.

!! includes ambient conditions sensors and safe auto zeroing .





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data collecting and
analyzer unit



mechanically

dimensions

lengths	290 mm
width	171 mm
height	20 mm

weight

1350	grams
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materials

stainless steel and aluminum

electrically

power supply

voltage I	12	V =
maximum current	2	A
voltage II	5	V =
maximum current	5	A

gas analyzer



physically

type

non dispersive infrared absorption (NDIR)

CH4 channel

range	0 ppm - 3000 ppm
preciseness	< ± 1% FSS
resolution	< 0,5% FSS
linearity error	< 1% FSS
warm up time	max. 5 min
zero drift	< 1% FSS / 24h
t-90 time	< 500 ms
temperature drift	< 1% FSS / 10 °C - 45 °C

working conditions

temperature	+5 °C to 45 °C
humidity	max 90% non condensing
environmental pressure	760 hPa to 1160 hPa

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testing gas concentration

	Minimum	Maximum
CO	2500 ppm	3000 ppm
CH4	2500 ppm	3000 ppm
O2	19 %	22 %
N2	rest	

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