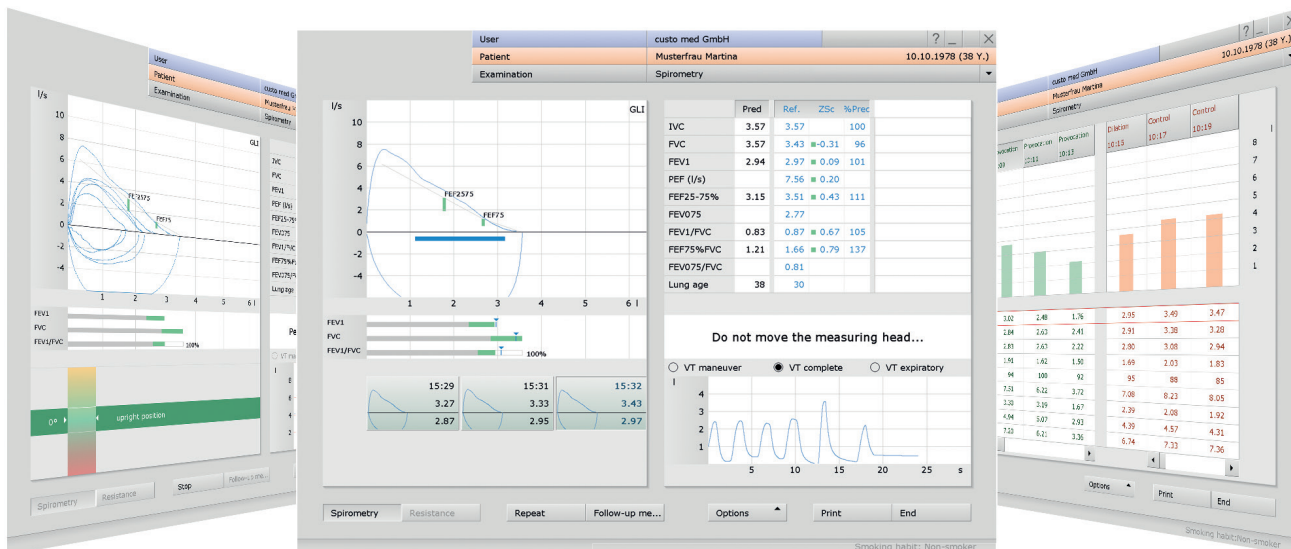# Spirometry

with custo spiro mobile | perfect hygiene concept

custo spiro mobile

- Mobile use at every PC due to USB connection
- Built-in tilt sensor to check the posture of the patient during the measurement
- Easy and quick performance of all tests
- Perfect hygiene concept with custo spiro protect bacterial and viral filters

custo diagnostic (software)

- Comparison of all patients' examinations
- Comfortable reports with predefined text modules
- Clearly arranged A4 paper printouts
- Paperless medical practice: Mailing of evaluations and reports as email, fax, PDF and as evaluation file (.cst)
- Versatile connection possibilities into existing IT structures (HL7, FDA-XML, SQL, GDT, SCP)

ATS standards

GLI reference values

Your authorised custo med dealer

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Technical data custo spiro mobile

Measuring sensor	Differential pressure gauge with laminar element
Display of measured values	BTPS (Body Temperature Pressure Saturated)
Measuring range as per ISO 23747	1.00 l/s – 14.5 l/s (expiratory peak flow)
Measuring range as per ISO 26782	0 l – 8 l (time-related forced expiratory volume)
Measurement deviation as per ISO 23747	±3 % (peak expiratory flow)
Measurement deviation as per ISO 26782	3 % or ± 0.05 l (time-related forced expiratory volume)
Retest precision as per ISO 26782	0.02 l (time-related forced expiratory volume)
Detection of resting breath	> 300 ml
End of measurement detection	< 150 ml/sec for 5 sec
Resolution	12 bit
Power supply	USB (Universal Serial Bus), standard USB connection to PC
Dimensions	140 * 150 * 45 mm (L * W * H)
Weight	approx. 330 g
Classification	Protection class II, type BF, MDR class IIa
Underlying standards	DIN EN ISO 13485, DIN EN ISO 14971, DIN EN 1041, DIN EN ISO 15223-1, DIN EN 60601-1, DIN EN 60601-1-2, DIN IEC 60601-1-6, DIN EN 62304, DIN EN 62366-1, DIN EN ISO 10993-1, DIN EN ISO 26782, DIN EN ISO 23747, DIN EN ISO 10993-10, ISO 10993-5

Components for spirometry:
custo spiro mobile
with measuring head
and mouth piece,
bacterial and viral filter
custo spiro protect,
nose clamp

Spirometry software functions

- Control of posture with tilt sensor
- Evaluation of the results according to the guidlines and by means of national and international reference values, e.g. GLI reference values [1] (Global Lung Initiative)
- Process control for checking the patients' cooperation (e.g. occupational medicine)
- Automatic report with report explanation
- 360°-view on evaluation results (clinical, occupational medicine, COPD-GOLD)
- Clear control of therapy with automatic long-term trend
- Test methods spasmolysis and provocation

1)   The following features distinguish the GLI reference values:
• The population which forms the basis of the reference values is clearly more extensive and broadly selected than it is the case with other reference values.
• The equation for the determination of the reference values is very precise.
• There is a floating transition from infancy to adulthood.

Control of posture

Process control

Spasmolysis evaluation

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