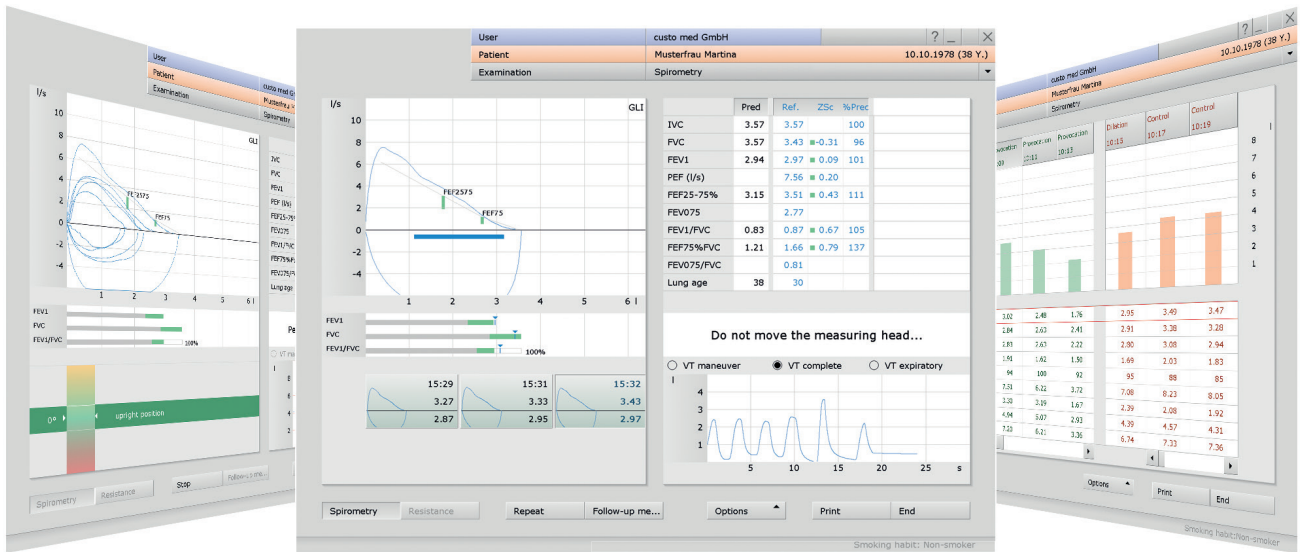


Spirometry

with custo spiro mobile | perfect hygiene concept



custo spiro mobile

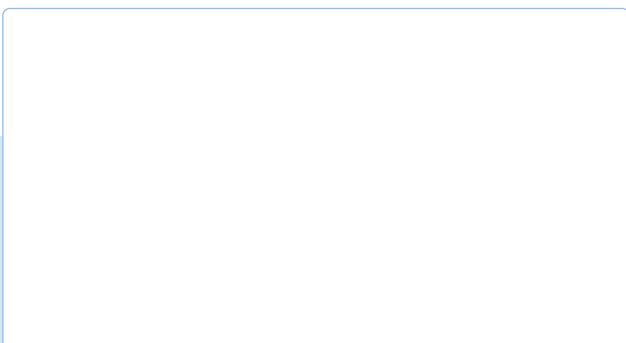
- Mobile use at every PC due to USB connection
- Built-in tilt sensor to check the posture of the patient during the measurement
- Easy and quick performance of all tests
- Perfect hygiene concept with custo spiro protect bacterial and viral filters

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)



Your authorised custo med dealer



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 guidelines and by means of national and international reference values, e.g. GLI reference values¹⁾ (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.

