

Software LF8

Software for PC based lung function



Simple – comfortable – reliable

Quick and easy lung-function measurements without additional requirements for your trained staff – that saves time and money.

With thought-out measuring sequences and a clearly arranged screen LF8 ensures smooth work.

Clear instructions on patients' guidance ensure continuously high quality of measurements on cooperation-dependent measuring methods (e.g. spirometry, flow/volume, TGV).

The software for all important parameters of lung-function expandable for future applications

LF8 is designed as a modular system.

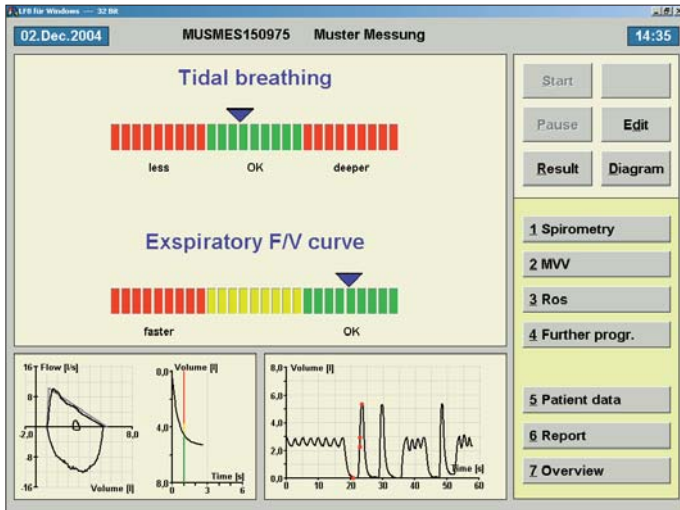
All measuring programs refer to the same archive of patients' and measurement data, no matter whether you work with a PowerCube or with a SpiroJet.

You can add additional measuring programs of the complete range of lung function (resistance, rhinomanometry, He-FRC, CO-diffusion, body-plethysmography or ergospirometry and many more) to your system also later.

All LF8 measuring programs use the same software surface. – Thus your staff needs no additional training in case of extensions of functions.

GANSHORN
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Software



Motivation is everything!

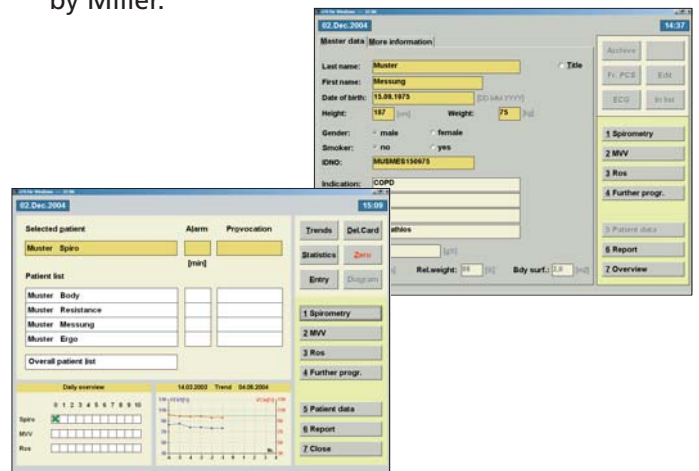
- Efficient assisting programs to monitor important cooperation criteria.
- Large-sized assisting-pictures for a precise control of the breathing manoeuvre for optimal patients' motivation.
- Intelligent animation graphics for children and grown-ups during simultaneous monitoring of important measuring parameters.
- Graphic insertion of patient-specific predicted-value ranges to estimate the patients' cooperation.

Administration of patients' data – no problem

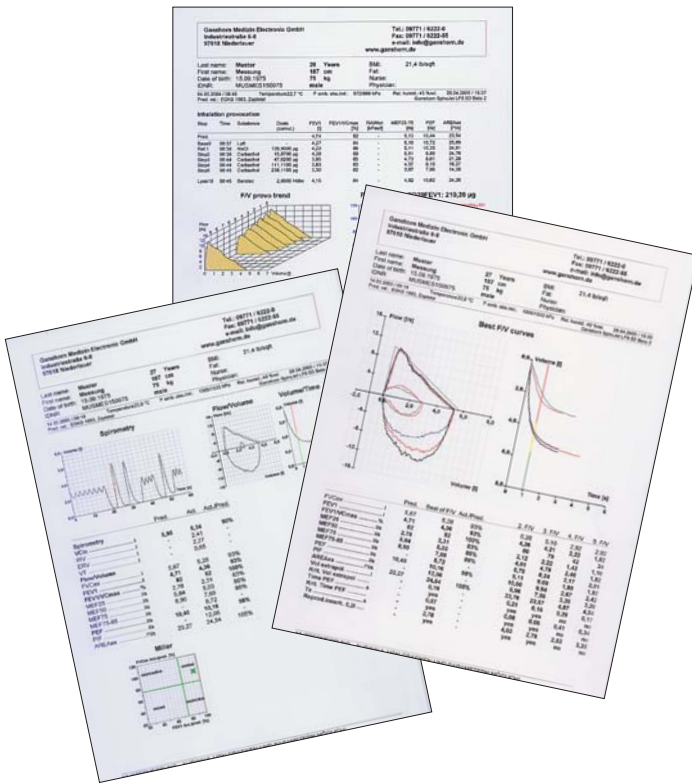
- Spacious, flexible input mask for patients' data with automatic plausibility check.
- Practical assisting functions for quick data input or quick discovery in the archive.
- Protocol functions for patient-specific information such as medication and therapy.
- Individual selection of predicted-value sets is possible.
- Size of the data base of patients' data and measurements is limited only by the PC's prerequisites.

As requested – the LF8-surface for measurements and reports

- Large-sized online on-screen display of the measurements – essential for quick work and correct judgement of breathing manoeuvres.
- Simple handling because of clear and standardized screen design as well as intelligible surfaces and logic user guidance.
- Editing options for all measurements.
- Large, clearly labeled keys.
- Identical measurement operations for all measurements.
- Pause function in all measuring programs.
- Free selection of graphics and measurement parameters.
- Flexible graphic and time scales.
- Change of measurement graphics and scales also during the measurement.
- Diagnosis possible by free-text and templates, also interpretation assistance by diagnostic square by Miller.



...LF8



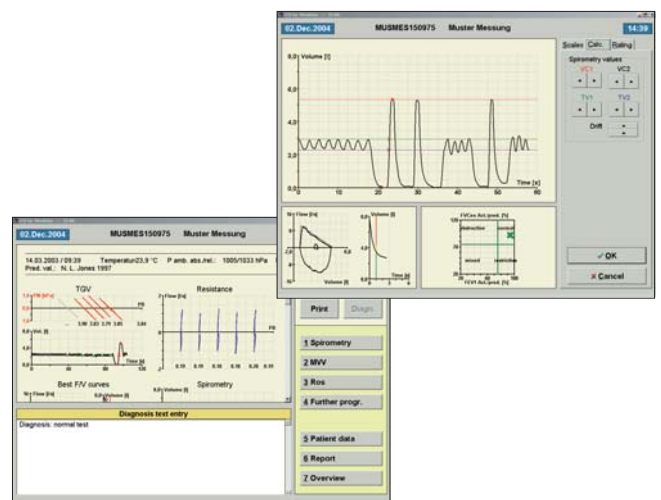
Whether SpiroJet or PowerCube® – the hardware-base and the software-base comprise spirometry, flow/volume measurement, direct and indirect maximum voluntary ventilation MVV, patients'-data administration, programs for provocation and bronchospasmolysis, pre/post comparisons, functions for trend, statistics and protocol, as well as interfaces and many more.

Integrated program for pre/post comparisons, bronchospasmolysis tests, and provocations.

- Pre/post comparisons of any measurement.
- Comparison already possible during post-measurement.
- More safety at provocations by graphic and numeric progression-control with trend display.
- Free configuration, storage, and output of any specific and unspecific provocation series.
- Automatic time-management system with alarm functions.

Clear reports for all cases

- Reports are individually configurable with the requested measurement data in charts, graphics, pre/post or variance comparison.
- Integration of medication, therapy and cooperation, as well as result-text possible.
- Display of parameters of different measurements in one common report.
- Report output by screen, printer, intranet, or as graphic data for export into the doctor's file.
- Standard reports for all measuring programs available. Configuration of any individual report possible.
- Size, number, and position of graphics selectable within one report.
More than 50 different graphics available.
- Possibility to export measurement results into word-processing and graphic programs.



SpiroJet ...

... the know-how of the large lung-function
in the low-priced small-format

**Because unimportant measurements do not
exist in lung-function diagnostics**

- Handy PC-spirometer for spirometry and flow/volume measurement, in- and expiratory vital capacity, partial volumes, second-volume FEV1, maximum voluntary ventilation MVV, peak-flow and more than 40 sub-parameters.
- Determination of rest-spirometry and flow/volume curve in one measurement manoeuvre.
- Integrated database for measurement and patients' data – compatible to all GANSHORN systems.
- Online display of the measurements at the screens of PC or notebook.
- Same accessories as for the PowerCube-series: absolutely humidity-insensitive flow sensor.
- Hygienic and easy to care for: easy cleaning, no time-consuming dismantling into its components, suitable for bacteria and virus filters.
- Size: 15 x 8 x 3 cm, weight approximately 500g.
- Also available as mains independent version (battery powered)

Minimum Requirements for LF8:

dependant on the measurement program and the periphery from Pentium 300 MHz processor, 128 MB, Microsoft Windows 98 SE, NT, 2000, XP (registered trade marks of Microsoft Corp.).

SpiroJet needs one free RS 232-interface or an USB-adapter.

LF8 is network-capable and has a network-interface as well as interfaces for intranets and for online data-exchange with peripheral devices.

**Developed, produced and quality-controlled according to
EN ISO 9001/12.2000 / EN ISO 13485/11.2000**

CE 0124

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