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MES LUNGTEST 500 spirometer (Reconditioned)

Reconditioned (used),
Technical condition: very good,
Visual condition: very good,
Actual product photos,
Made in Poland,
Power supply: 230 V,
Frequency: 50/60 Hz,
The Lungtest 500 spirometer

is a small, portable electronic instrument designed for use in medical offices and outpatient clinics. The spirometer includes a built-in specialized computer for performing tests and processing results, as well as a precise measurement unit.

The spirometer allows for the entry of full patient data: last name, first name, date of birth, weight, height, gender, patient ID number, and test number.

Automatic monitoring of test performance according to ERS recommendations is confirmed by a printed message: "Test performed according to ERS recommendations."

An audible signal sounds if the time limit is exceeded by 3 seconds after recording a forced exhalation.

Spirometry - a test that allows for the determination of VC, IC, ERV, TV, BF, and the FEV1% VC ratio for a flow-volume loop test. The test is monitored in real time on the spirometer display.

Flow-volume loop - the test allows for any number of inhalation/exhalation maneuvers with simultaneous exhalation curves observed on the spirometer display. After the test is completed, the envelope is automatically calculated and the following parameters are determined: FEV1, FVCEX, PEF, MEF75, MEF50, MEF25, FEF25/75, MEF50% FVCEX, FEV1% FVCEX, FVCIN, PIF, MIF50, and FEV1/VC. You can discard curves with artifacts and select the best curve.

Maximum Voluntary Ventilation - allows you to determine the MVV, BR, and BF parameters. Medication intake control test - when the test is repeated after the patient has taken the medication, the test results are reported as related to the results of the test performed before the medication was administered.

The database can store the last 100 tests, compare two tests on the same patient, and compare four selected parameters from thirty tests on the same patient.

Technical specifications:

Flow range ± 18 l/s.

Flow measurement accuracy $< 2\%$.

Usable flow resolution ± 10 ml/s.

Volume range ± 10 l.

Volume measurement accuracy $< 2\%$.

Volume measurement resolution ± 10 ml.

Measuring head resistance 0.9 cm H₂O/l/s at a flow of 12 l/s.

RS-232 interface (can transmit results to a computer).

Built-in graphic display: 240 x 128 LCD.

51-key membrane keyboard.

Menu language: Polish,

Included:

Pneumotachographic head,

Kafka SQ printer,

Dedicated carrying case,

Mouthpiece (1 pc.),

RS232 cable,

Power cord,

Power supply,

Dedicated carrying case.

Device dimensions: 33 x 24 x 4 cm,

Weight: 1 kg,

Updated inspection and ready to use,

Issued Technical Passport (Service Report) valid for 12 months,

Warranty:

6 months for the domestic market (Poland),

3 months for the international market,

Possibility of extending the warranty for an additional fee to 12 months for the domestic and international markets,

Financing options (Poland only): Installments, Leasing, Loan,

