

622-6145 (60-015) Digital Spirometer

Technical specifications:

- Includes 50 mouthpieces
- Cortis' funnel
- Winged gas flow sensor
- Main frame
- Main lead
- Environmental temperature range: 5°-40°C

Warranty, Replacement Parts:

We replace all defective or missing parts free of charge. Additional replacement parts may be ordered toll-free. We accept MasterCard, Visa, checks and School P.O.s. All products warranted to be free from defect for 90 days. Does not apply to accident, misuse or normal wear and tear. Intended for children 13 years of age and up. This item is not a toy. It may contain small parts that can be choking hazards. Adult supervision is required.



Description:

The digital spirometer is a lung testing instrument. The device features an LCD display and it is equipped with an infrared sensor. The device may be used with either the included DC (3 V) power supply or with two AA batteries. The digital spirometer is especially suitable for field lung testing and is very portable.

Procedure:

1. Either plug in the adaptor or insert two AA batteries by opening the battery box cover on the bottom of the mainframe.
2. Turn on the power switch on the side of the spirometer to turn the spirometer "on".
3. Press the start key and then release. The LCD should show "0".
4. The sensor contact is on top of the instrument. Plug the black lead gently into the interface.
5. Attach the corrugated tubing to the bottom of the Cortis' funnel and attach a mouthpiece to the other end.
6. Blow into the mouthpiece. The air flow will be fed back by the sensor to the microprocessing system. The results are transformed into a digital signal and transmitted to an LCD display window in the panel, through which the operator reads the results.
7. You may wish to challenge yourself by seeing how your results vary after vigorous exercise versus a sedentary state. Observe the differences in your lung capacity after each test.
8. Turn off the spirometer. Dispose of the mouthpiece.