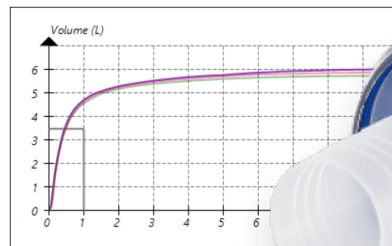
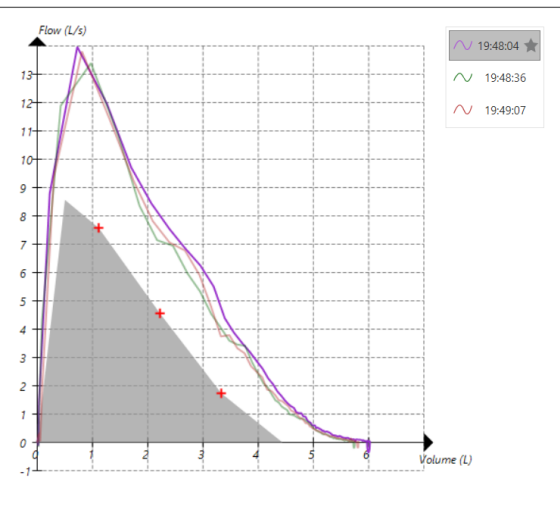


# Q13 Spirolyser | PC based spirometer



| Results      |           |           |             |
|--------------|-----------|-----------|-------------|
| Results      | Value     | Predicted | % Predicted |
| FVC          | 6.01 L    | 4.44 L    | 135.36 %    |
| FEV1         | 4.74 L    | 3.47 L    | 136.60 %    |
| PEF          | 14.00 L/s | 8.57 L/s  | 163.36 %    |
| FEV1/FVC     | 78.87 %   | 75.93 %   | 103.87 %    |
| FEF25_75/FVC | 0.73 s-1  | 0.79 s-1  | 92.41 %     |
| BEST FVC     | 6.01 L    | 4.44 L    | 135.36 %    |
| <            |           |           |             |



## Transform your spirometry screening programmes

The Spirolyser® Q13® is a PC-based spirometer using a single-use mouthpiece with patented technology which is designed for accurate, error free and safe health surveillance programmes when respiratory testing is required.

## Complete functionality

A comprehensive test menu with displayed predictive and measurement values aid the review and assessment of test results. The supplied software incorporates a spirometry database for comparison against previous test results which is very important when respiratory sensitisers have been identified in the workplace.

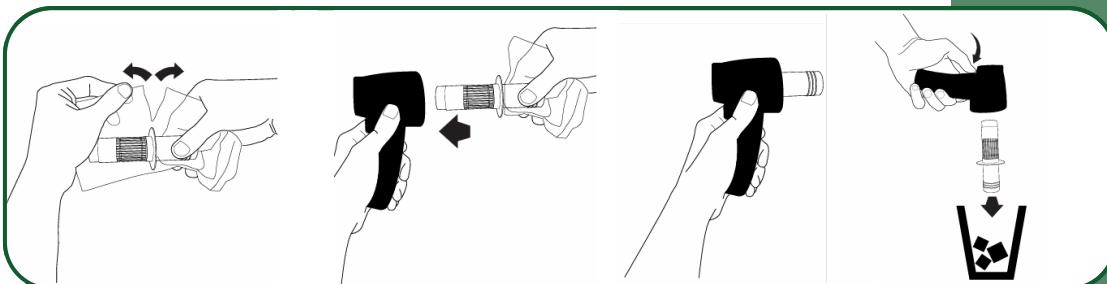
## Results options

Test results can be automatically saved electronically, printed (hard or soft copy) or transferred to an electronic medical records system (EMR).

## “NO CONTACT NO RISK” mouthpiece/sensor design

Each single-use Qflow® mouthpiece is individually wrapped. Thanks to an innovative ejection system, the used mouthpiece is ejected without contact after use. The operator's hands never come into direct contact with the sensor.

- Plug & Play, quick and easy to use
- Qflow® “No Contact, No Risk” mouthpiece
- Secure database
- Cority connectivity
- Integrated incentive video
- Test comparison and export feature
- Portable
- Lightweight: 250 g
- Quality test grading
- 2 year warranty
- Cority compatible



## Qflow® mouthpiece/sensors are designed to meet ATS/ERS recommendations

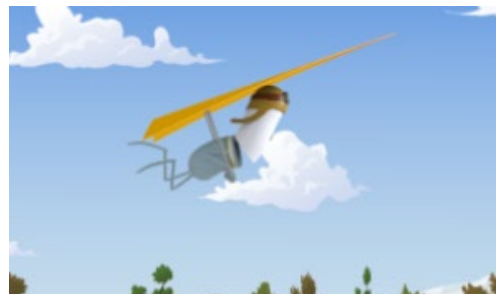
To minimize the risk of cross-contamination between patients, the Spirolyser® Q13 and Qflow® sensor are equipped with advanced, innovative technology. Independent bacteriological trials carried out by Public Health England laboratory (Salisbury, UK) confirmed the effectiveness of this design demonstrating significantly reduced risk of cross-contamination by 99.999%.

This exceptional level of protection ensures peace of mind for both healthcare professionals and patients, supporting safe and reliable spirometry testing in any setting.



## Maximising test efforts

Integrated videos demonstrate how to achieve high-quality VC and FVC measurements. The software also incorporates a unique visual incentive designed to maximise the test subject's effort.



## Q13 Spirolyser technical specifications

| Feature                           | Details  |
|-----------------------------------|--|
| <b>Tests</b>                      | Slow and Forced Vital Capacity, Maximum Voluntary Ventilation, Post-medication   |
| <b>Sensor</b>                     | Fleisch type digital pneumotachograph  |
| <b>Flows Measurement Range</b>    | -14L/s to +14L/s   |
| <b>Volume Measurement Range</b>   | 0L to 10L  |
| <b>Digital Resolution</b>         | 15 bits  |
| <b>Measurement Accuracy</b>       | ± 3% maximum   |
| <b>Lead Length</b>                | 3 metres   |
| <b>Storage and operating temp</b> | Storage: 0 - 50°C Operating 17 - 35°C  |
| <b>Atmospheric Pressure</b>       | 850 - 1060 hPa   |
| <b>Humidity</b>                   | 75% maximum  |
| <b>Operational Altitude</b>       | < 2000 metres  |
| <b>Voltage / Current</b>          | 5VDC (via USB port) / 200mW maximum  |
| <b>Reference Standards</b>        | EN 60601-1, EN 60601-1-2, IEC 60601-1-6, EN 62366-1, EN ISO 10993-1, EN ISO 10993-5, EN ISO 10993-10, NF EN ISO 14971, NF EN 62304/A1, ISO 20417, EN ISO 15223-1, NF EN ISO 13485, NF ISO 2859-1, ATS 2005 |
| <b>Medical Class</b>              | Ila  |
| <b>Software security class</b>    | A  |
| <b>Marking / Electrical Class</b> | CE / Class I   |
| <b>GMDN spirometer code</b>       | 35282  |
| <b>GMDN Qflow® code</b>           | 61097  |
| <b>Applied Part</b>               | Type BF (Qflow® sensor and device shell)   |
| <b>Size / Weight</b>              | 90x180x60mm / 250 g  |



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