



Vyntus™ SPIRO
Clinical spirometer powered by SentrySuite®

Vyntus™ SPIRO

Obsessed with perfection

Vyntus SPIRO was born out of our obsession to perfect a spirometer that 'checks all the boxes' for clinicians. Vyntus SPIRO has proven sensor technology that is easy to clean, comprehensive software that is easy-to-use, and is as much at home being a stand-alone device as it is a part of a SentrySuite™ network.

Perfecting technology by simplifying cleaning

Thousands of labs trust Vyntus SPIRO's pneumotach which meets all the 24 ATS/ERS waveforms for proven accuracy, and its wide dynamic range effectively tests broad populations- from small children to adults.

And now, when using our MicroGard™ II bacterial/viral filter with each patient, we have validated that your Vyntus SPIRO pneumotach needs to be cleaned and disinfected only once every 3 months.¹ Want an even easier solution? Simply dispose of the old sensor and replace it with a fresh, clean, new pneumotach from our cost-effective sensor kit.



MicroGard II Filter

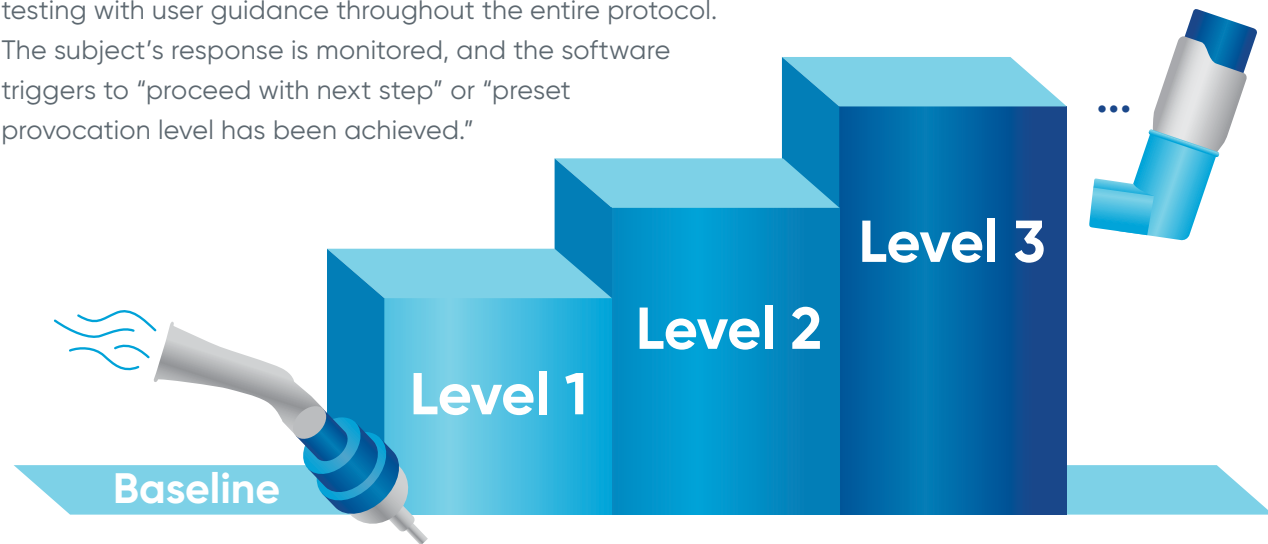


Complete suite of testing capabilities at your fingertips



Bronchial challenge testing

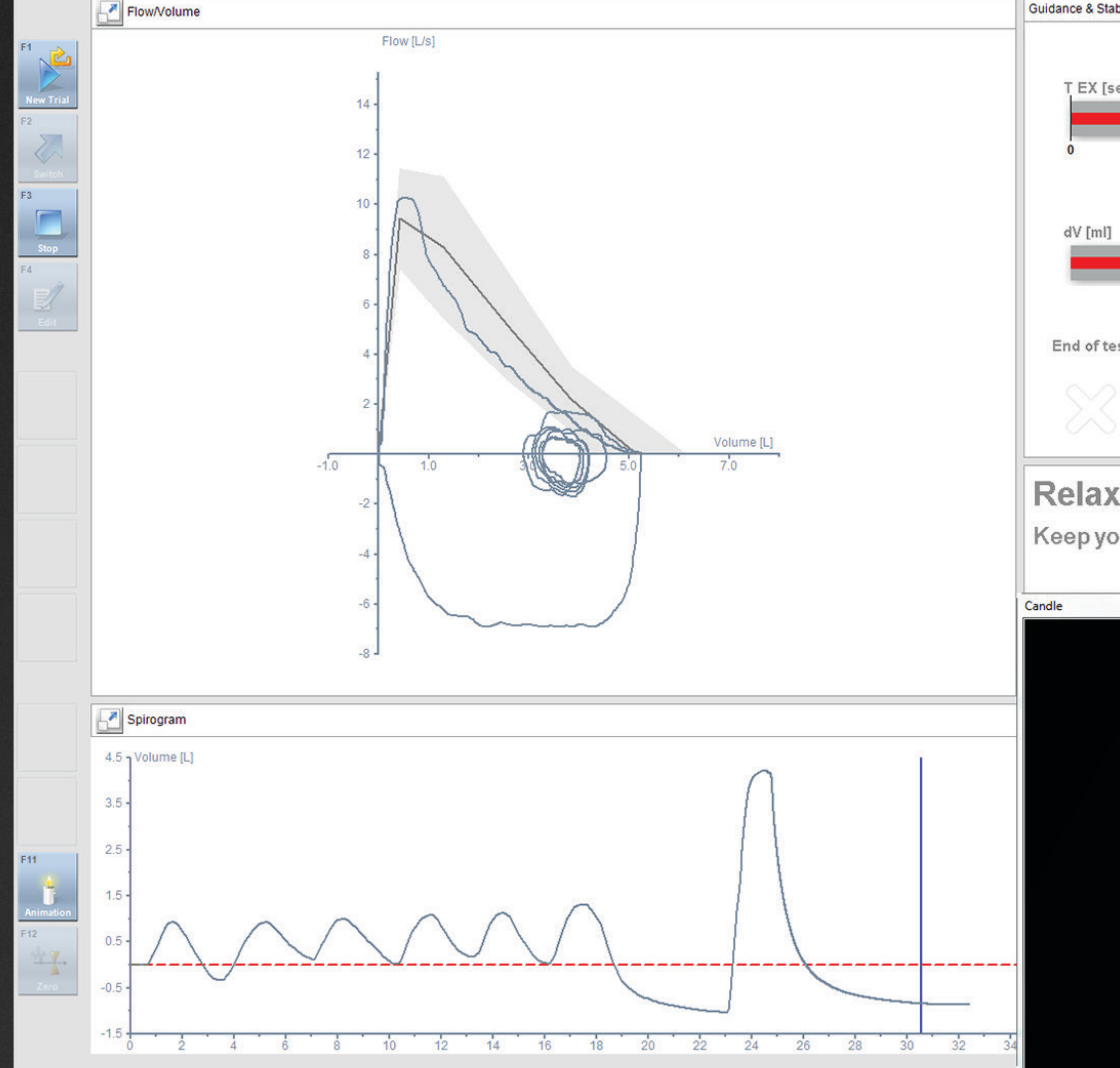
The integrated software-controlled bronchial challenge testing program assists accurate and safe provocation testing with user guidance throughout the entire protocol. The subject's response is monitored, and the software triggers to "proceed with next step" or "preset provocation level has been achieved."

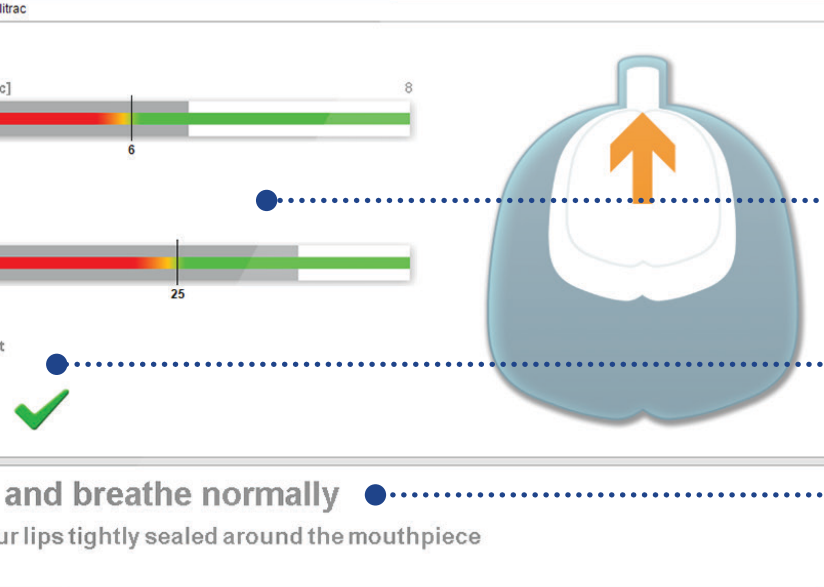


NIOSH Approved
Coal Worker Surveillance Spirometry

Improving patient data

During testing, SentrySuite software will actually provide guidance and coaching to help ensure that tests are being conducted correctly, increasing your ability to achieve ATS/ERS quality standards.





and breathe normally
 your lips tightly sealed around the mouthpiece



Colored guidance bar

For in test exhalation and plateau recognition

Check marks

Indicates a successful end-of-test

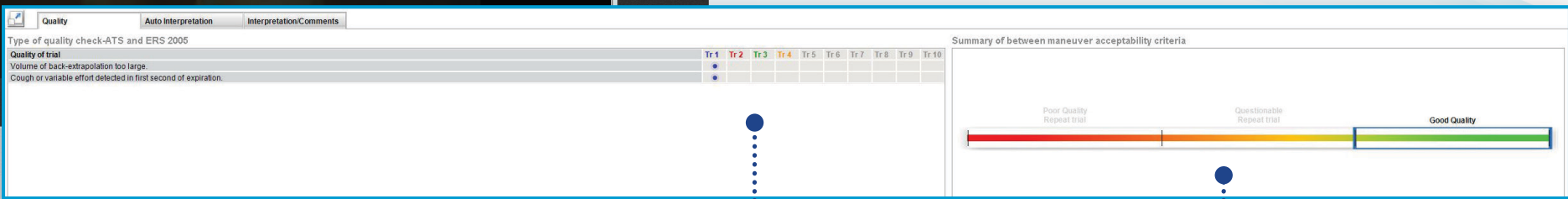
Textual guidance

Helps coach clinician through maneuver

Multiple animation incentives

With adjustable difficulty level

Once a test is performed, SentrySuite helps you evaluate the data and compares it to the latest ATS/ERS standards, without ever leaving the screen!



Color-coded repeatability

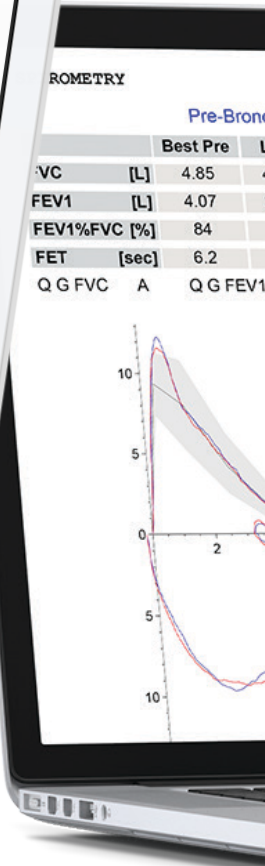
Enables direct visual feedback on test quality according to ATS® standards

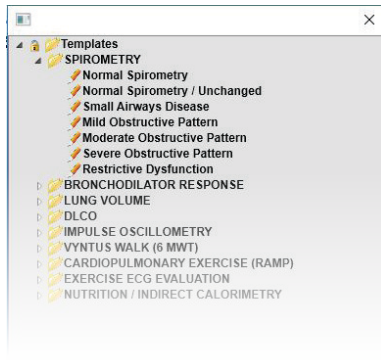
Color-coded classification bar

Embracing today's reporting technology

It's no longer just about what's available on the report and how it looks, it's also about where and how the report can be viewed and interpreted that is a key to your success. And with SentrySuite, we have been aggressive in meeting today's demands!

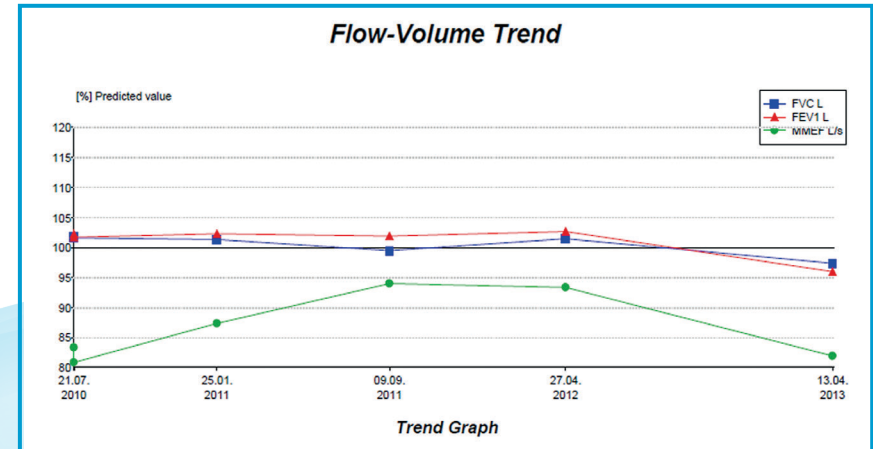
Although all traditional reporting methods are still available with SentrySuite, clinicians are no longer bound to a printed report or to a station in the facility. With **SentrySuite Mobile Review**, reports can be viewed, interpreted and sent to your EMR, from your phone, iPad, or home PC, all while feeling confident in our advanced cyber security that helps ensure sensitive patient data is protected.





Interpretation templates

Create your own template statements and macros with embedded numerical results. Or, choose from the automatic interpretation algorithms.



Trending - monitor patient results over time

Trending of patient data is now also easier than before- technologists simply assign a trend report to the patient file and when the physician views the data, key parameters are automatically reported as a trend, both graphically and numerically.

Predicted, LLN, Z-score, best values, values of all trials, and more.

Vyntus™ QUESTIONNAIRE

SentrySuite further embraces mobile technology by allowing patients to complete a health survey questionnaire online before doing their spirometry. These data can be automatically scored, imported back into SentrySuite and become a part of their patient record to be viewed along with any report.

▼ ACT_1 In the past FOUR weeks, how much of the time did your ASTHMA keep you from getting as much done at work home?

1 1.) All of the time.

2 2.) Most of the time.

3 3.) Some of the time.

4 4.) A little of the time.

5 5.) None of the time.

▼ ACT_2 During the past FOUR weeks, how often have you had shortness of breath?

1 1.) More than once a day.

2 2.) Once a day.

3 3.) Three (3) to Six (6) times per week.

4 4.) Once or twice per week.

5 5.) Not at all.

▼ ACT_3 During the past FOUR weeks, how often did your ASTHMA symptoms (Wheezing, Coughing, Shortness of Breath, Tightness or Pain) wake you up at night or earlier than usual in the morning?

1 1.) Four (4) or more nights a week.

2 2.) Two (2) or Three (3) nights a week.

3 3.) Once a week.

4 4.) Once or twice.

5 5.) Not at all.

▼ ACT_4 During the past FOUR weeks, how often have you used your rescue inhaler or nebulizer medication?

1 1.) Three (3) or more times per day.

2 2.) One (1) or two (2) times per day.

3 3.) Two (2) or Three (3) times per week.

4 4.) Once a week or less.

5 5.) Not at all.



Technical Specifications

Flow measurement

Type	High-quality pneumotach
Range	0.1 to ± 16 L/s
Resolution	1 mL/s
Accuracy	0.1 to 14 L/s: $\pm 5\%$ of reading or 0.2 L/s, whichever is greater
Resistance	< 0.05 kPa/L/s (0.51 cmH ₂ O/L/s) at 10 L/s

Volume integration

Type	Software volume integration of flow signal
Range	30 L (software limited)
Resolution	1 mL
Accuracy	0.5 to 8 L: $\pm 3\%$ of reading or 0.05 L, whichever is greater

Ambient

Temperature	+10 °C to +34 °C (+50 °F to 93.2 °F)
Relative humidity	20 to 80 % RH, non-condensing
Ambient pressure	700 to 1060 hPa (525 to 795 mmHg)
Altitude	≤ 3000 m

Classification of applied parts

Type applied part B

Category according to MDD 93/42/EEC (2007)

Complete system Active class IIa medical product

Standards, directives and market clearances

Standards	EN 60601-1, EN 60601-1-2, EN 62304, EN 62366, EN ISO 14971, EN ISO 10993-1
Directives	93/42/EEC amended by 2007/47/EC, RoHS 2011/65/EU compliant
Market clearances	CE, FDA 510(k) clearance

Basic Cart

Dimensions total	96 cm W \times 73 cm D \times 117 cm H (37.8" \times 28.7" \times 46.1")
Weight total	32.6 kg (72 lbs)





REFERENCES

1. Based on the Bio Burden DIN EN ISO 11737-1: Report 18AA0088

All illustrations, descriptions and technical specifications are subject to change without prior notice.

Where applicable – country availability is dependent on the successful product registration with the National Authority of that country. Please read the complete Instructions For Use that come with the product.

GLOBAL HEADQUARTERS

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