ASCENT

cardiorespiratory diagnostic software

FOR

GAS EXCHANGE TESTING

EXPLORE THE FUTURE OF
CARDIORESPIRATORY ASSESSMENT

Understanding the collaborative function of the cardiovascular and respiratory systems requires accurate assessment of gas exchange efficiency. With Ascent™ cardiorespiratory diagnostic software, gain deeper insights into pulmonary and cardiac efficiency, allowing for more informed treatment decisions.

EASY TO USE
- Dynamic on-screen instructions guide the testing process.
- Color coordination and numbering facilitate easy result identification.

POWERFUL
- The Score Card and Insight™ quality control gauge allows for expedited selection and review of ATS acceptability and repeatability guidelines for pre and post exercise spirometry.
- User-defined gas exchange gauges help with the assessment of normal versus abnormal reponses for cardiopulmonary exercise testing (CPET) and indirect calorimetry (resting/nutrition).

VERSATILE
- Customize views and generate evaluator comments for effort quality.
- Use the Privacy Filter for patient data protection.
- Sort and review tests via AscentReview™ software or user-formatted reports.

TEST SCORE CARD AND
INSIGHT™ QUALTIY CONTROL GAUGE
*displays acceptability and repeatability criteria*

Key Features

- **Metabolic Analysis:** Derive oxygen uptake, carbon dioxide output, and respiratory analysis.
- **Effort Variability:** Evaluate gas exchange across rest and different exercise intensities.
- **Exercise Challenge and Prescription:** Discover thresholds and limits through progressive exercise protocols.
- **Customized Reporting:** Includes time down, summary and graphics to look at anaerobic threshold, curve fits such as VE/VCO2 slope output, 9-panel plot and more.
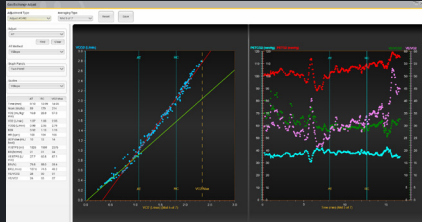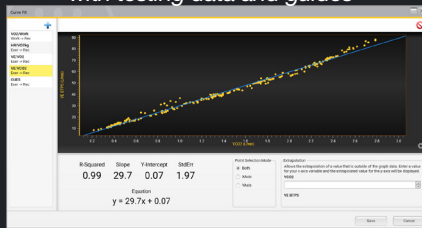
MGC DIAGNOSTICS®

Additional Features
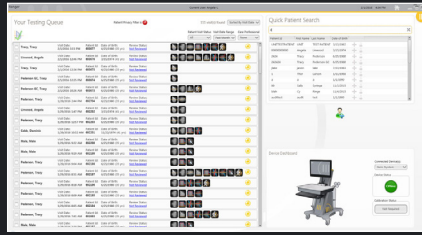
HOME SCREEN

contains personalized testing queue, patient search and device dashboard
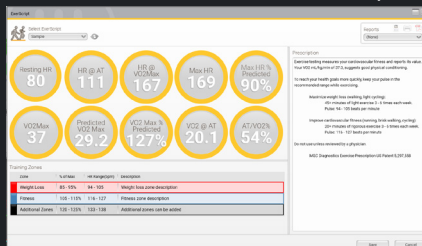

GAS EXCHANGE ADJUST

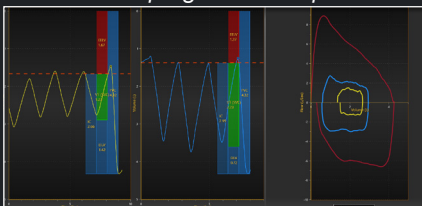*choose your AT method to view graph panels with testing data and guides*

CURVE FIT

shows the best fit to a series of data points

EXERSCRIPT

analyzes patient data to provide a prescriptive exercise program for the patiemt

EXERCISE FLOW VOLUME LOOPS

UNIQUE TESTING CAPABILITIES

- Exercise Flow Volume Loops
- Exerscript
- Auto Interpretation
- O_2 Kinetics
- Exercise Induced Bronchospasm
- Elevated FIO_2
- Resting
- Face Tent

IMPROVED CALIBRATION AND VERIFICATION

preVent® flow sensor calibration and verification requires three strokes in three specific zones. Positive feedback is provided in each zone, limiting strokes to three inspiratory/expiratory strokes. Results display relative to their limits in the results control.

DEVICE DASHBOARD

The home screen and device dashboard provide quick access to essential information for connected devices:

- Automatic device discovery and thumbnail of current system in use.
- Switch to other connected systems quickly via dropdown.
- Device Calibration Status.

ENHANCED GRAPHICS

Ascent's at-a-glance graphics enable easy test status identification. Test icons are displayed for completed tests, allowing direct access to corresponding test results with a click.
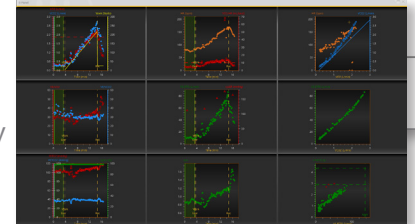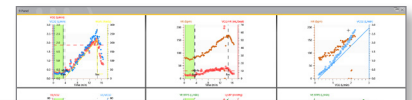
REPORTING

graphics show your choice of data in light or dark format

SPECIFICATIONS

SYSTEM COMPATIBILITY

- Ultima Series™ cardiorespiratory diagnostic systems
  Models: CardiO$_2$, PFX, CPX and CCM

WORKSTATION REQUIREMENTS

- Windows 10 Pro/Enterprise
- Windows 11 Pro/Enterprise*
  special considerations for Ultima CardiO$_2$ systems
- Hard Drive: 250+ GB recommended
- Memory: 16+ GB min
- Display Resolution: 1920 x 1080 or higher recommended / 1024x768 minimum
- 3+ USB ports

Interested in learning more?
View our Ascent software video playlist:

SCAN ME

CE 2797

CLASSIFIED c(UL)us