

GO SPIRO[®]

spirometer



THE FIRST SPIROMETER DESIGNED SPECIFICALLY FOR CONNECTED HEALTH APPLICATIONS

Provides laboratory quality diagnostic testing that is conducted in a patient's home or clinic and qualifies for the new Remote Patient Monitoring CPT reimbursement codes.

- Real-time flow and volume streaming data for on-screen visualization
- Full Flow Volume Loops with both inspiratory and expiratory data analysis
- Slow Vital Capacity with lung subdivisions
- Volume based measurement provides long term calibration stability and no need for daily calibration by the patient
- Meets ATS/ERS 2019 Spirometry Standards
- Built-in quality control with measured and calculated error indices
- Bluetooth[®] enabled wireless communication
- Interfaces to iOS and Android tablets and smartphones, including MTI's GoHome[™] and GoClinic[™] devices
- Meets stringent ISO and FDA Home-Use standards



All measurements and calculations are performed inside the GoSpiro[®] so it doesn't matter what computer, tablet, smartphone, or data hub collects the data.

The GoSpiro's built in quality control collects and transmits Time-to-Peak Flow, Back-Extrapolated Volume, Cough Detection, Total Expiratory Time, and End Expiratory Flow Detection with plateau identification and mean inspiratory flow of previous breath.

"Lisa" the avatar-based, real-time patient coaching and test review is available on the GoHome[™] and GoMobile[™] Platform.



Reimbursable Diagnostic Spirometry in the Home

THE GoSPIRO® CONNECTS SEAMLESSLY WITH GoBYOD, GoHOME™ AND GoMOBILE™ SOLUTIONS.

GoBYOD (BRING YOUR OWN DEVICE)

The flexibility to perform Spirometry using the GoSpiro App on the patient's Android or iOS device. The GoSpiro App is available for download from the Apple and Google Play stores.

GoHOME™

A tablet-based telehealth communications platform for remote monitoring, communication, and care of patients at home.

GoMOBILE™

A secured smartphone based platform with extended interface and measurement capabilities.

SIMPLIFIED PATIENT PHYSIOLOGIC DATA COLLECTION

The GoBYOD, GoHome™, and GoMobile™ provide easy-to-follow, on-screen testing instructions to simplify measurements and provide patient guidance.

Wireless auto-pairing via Bluetooth® makes connecting and data collection from the GoSpiro seamless.

AUTOMATIC PATIENT PHYSIOLOGIC DATA TRANSFERS

Once the measurement is completed, the physiologic data is automatically transferred using a HIPAA/GDPR compliant protocol to healthcare providers via the MTI CarePortal™.

“LISA” AVATAR-ASSISTED TECHNOLOGY

The standardization of effort-dependent tests, like spirometry, depends on the patients understanding on how to perform the test. The “Lisa” Avatar provides uniform coaching for every test. Available on the GoHome and GoMobile platforms.

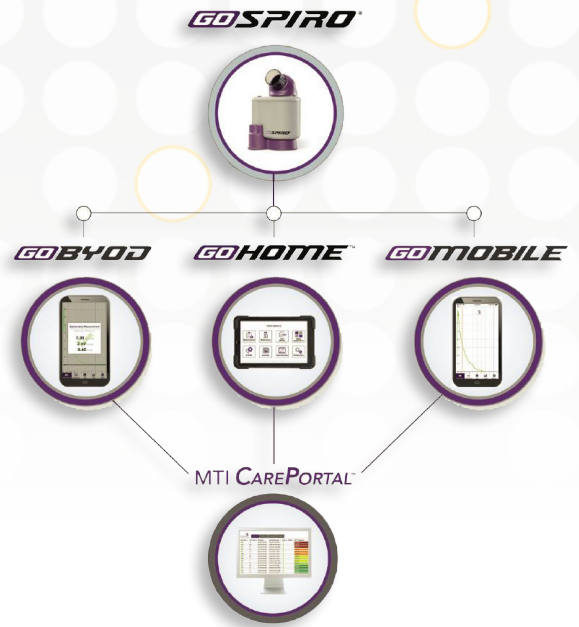
Lisa follows the patient's breathing in real-time, guiding them through the measurement to assure proper performance and reaching an expiratory plateau.

All Devices used by the patient include built-in quality controls which provide feedback to the patient during the measurement. Included are post-test comments about test performance and guidance on improving test performance.

Lisa has the ability to speak up to 29 languages.

DIAGNOSTIC SPIROMETRY IN THE OFFICE OR CLINIC

The MTI GoClinic Platform delivers a completely integrated, multi-patient system with App based physiologic data measurement collection that brings a laboratory to the clinic in a small handheld case.



Lisa follows the patient's breathing in real-time, guiding them through the each Spirometry measurement.

The GoHome and GoClinic platforms provide a full suite of patient measurement tools including:

Spirometry, Pulse Oximeter, Blood Pressure, Weight, FeNO, Questionnaires, and other physiologic monitors.

MTI CarePortal™. A Comprehensive and Customizable Cloud-Based Information Portal



REMOTELY MONITOR, CONNECT, AND CARE FOR PATIENTS VIA MTI'S SECURE WEB-BASED TELEHEALTH CAREPORTAL.

- Automatically receive patient physiologic test and answers to customizable questionnaires
- Automated rules-based reports and alerts of actionable information for quick triage of patients
- Quickly view trends of historic data for early detection of downward trends and patient intervention
- Health professionals and clinics connect and communicate with patients via Carebooks™

SIMPLIFIED PATIENT DATA COLLECTION

The MTI CarePortal clearly displays patient's physiologic testing results in real time. Using Smartphones, tablets, or other physiological data collection hubs like MTI's GoHome™ Patient Health Monitor, the MTI CarePortal enables the collection and display of most types of physiologic data.

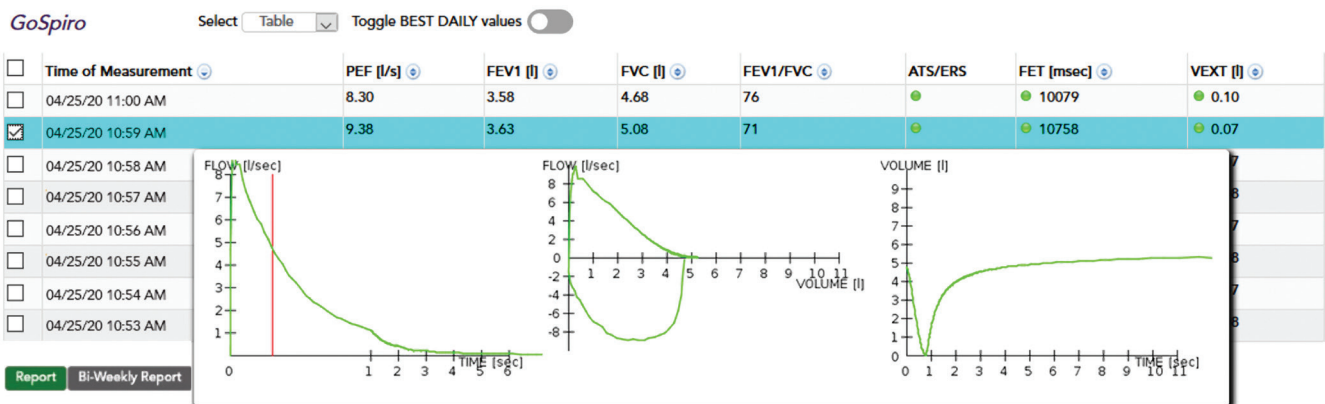
This data includes: Forced Spirometry (Pre- and Post-Bronchodilator Testing), Slow Spirometry, Exhaled Nitric Oxide, ECG, Pulse Oximetry, Blood Pressure, Glucometers, Weight, Temperature, Questionnaires, and others.



Patient Data Trend Screen

CAREPORTAL'S CLINICAL DASHBOARD ALLOWS FOR QUICK REVIEW OF ATS TEST QUALITY PARAMETERS AND REVIEW OF GRAPHS

Quickly identify those tests that have met the ATS acceptability criteria vs those efforts that have failed, and why. View each patient effort including FVL, volume/time and flow/time graphs within seconds of the completion of the patient test. Since graphs can be viewed on the portal almost real time, this allows the technician to be on the phone or viewing the patient during testing sessions if needed to assist with coaching.



Target Value GoSpiro

AUTOMATED RULES-BASED ALARMS AND ALERTS

Create alarms and alerts for individual patients or patient groups at individualized thresholds to provide actionable notifications. Alarms/ Alerts can be sent via email or SMS, and can be assigned to multiple individuals (physician, case manager, nurse, clinic coordinator, patient or family member). Create automated patient reminders to improve treatment adherence, including medication and testing reminders.

Name	Assignment	Type	Last Alarm	Active
FEV1 Target Value	All Patients	Spirometry	04/14/14	✓
No Data Transfer	All Patients	Data Transfer	04/21/14	✓
BP Target Value	Patient Group	Blood Pressure	04/30/14	✓
SpO2 Value	Patient	SpO2	05/05/14	✓
Blood Glucose	Patient Group	Glucose	04/28/14	✓
Weight Change	Patient Group	Weight	04/28/14	✓
Question Total Score	Patient Group	Questionnaire	04/22/14	✓
PEF Target Value	Patient Group	Spirometry	01/21/14	✗

Alarm List



REDEPLOYMENT KIT

Reduce overall program expense since the GoSpiro body can be reused by just purchasing a new redeployment kit, which includes everything a new patient will need.

GoSPIRO® MEASUREMENTS

FORCED VITAL CAPACITY (FVC)

FVC	PIF
FEV1	FIF25 (MIF75)
FEV3	FIF50 (MIF50)
FEV6	FIF75 (MIF25)
FEV0.75	MET25-75
PEF	FEV0.75/FVC
FEF25 (MEF75)	FEV1/FVC (FER)
FEF50 (MEF50)	FEV3/FVC
FEF75 (MEF25)	FEV0.75/FEV6
FEF25-75 (MMEF)	FEV1/FEV6
FIV1	FEF50/FVC
FVC	FEF25-75/FVC
FVC	FIV1/FVC (FIR)

SLOW VITAL CAPACITY (SVC)

SVC	TE
RR	IRV
IC	TI/TE
TI	VT
ERV	VT/TI

SPECIFICATIONS

GoSPIRO® SPIROMETER

- Transducer Type: Bi-directional high sensitivity vertical turbine
- Volume Accuracy: $\pm 3\%$ of reading, or 0.05 liters (whichever is greater)
- Maximum Volume: 8 liters maximum
- Maximum Flow: 14 liters per second
- Flow Sensitivity: >0.025 L/s
- Power Supply: Rechargeable Lithium battery
- Battery Life: $> 70,000$ measurements (with recharging)
- Dimensions (GoSpiro) H x W x D: $4\frac{1}{2} \times 2 \times 3\frac{1}{2}$ in (120 x 80 x 100 mm)
- Dimensions (Charging Station) H x W x D: $1\frac{3}{4} \times 1\frac{3}{4} \times 3\frac{1}{2}$ in (50 x 50 x 100 mm)
- Weight (including Battery): 0.66 lb (300 g)
- Operating Conditions: 62.6° to 95° F (17° to 35° C), 30% to 75% RH, non-condensing
- Transport & Storage Conditions: 68° to 158° F (20° to 70° C), 15% to 95% RH, non-condensing
- Warranty: 2 year
- Bluetooth® capabilities

DESIGNED, DEVELOPED AND MANUFACTURED BY:



monitoredrx.com

MGC DIAGNOSTICS CORPORATION, Manufactured by Monitored Therapeutics, Inc., distributed by Medical Graphics Corporation
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