

*"One breath to reveal
your lung health"*

DATOSPIR
TOUCH
Desktop Spirometer



Advanced desktop spirometer with spirometry
and respiratory mechanics

PREVIEW

Upcoming product, available for pre-sale orders only.



COSMED
The Metabolic Company

- » **Comprehensive spirometry** (FVC, SVC, MVV, Pre-Post)
- » **Optional respiratory mechanics module** for MIP/MEP assessments
- » **Smart touchscreen interface** for intuitive, on-device operation
- » **Quick printing** via integrated thermal printer
- » **Embedded database** storing up to 1,000 tests
- » **Optional OMNIA software module** for data management and advanced interpretation
- » **Compliant with the latest ATS/ERS guidelines**



Optional Pressure Transducer for MIP/MEP testing



Turbine flowmeter with AB filter for spirometry testing

DATOSPIR Touch is a versatile desktop spirometer designed to empower healthcare professionals across specialties to conduct reliable lung health assessments with confidence, even in demanding healthcare settings.

Its user-friendly design ensures a smooth onboarding experience, featuring an embedded **touchscreen** interface that simplifies data management, turbine calibration, testing, and report generation all accessible with just a few taps. Built-in prompts and **quality control** alerts guide users to ensure accurate techniques, minimize errors, and improve patient compliance.

For enhanced accuracy, an integrated **temperature sensor** compensates for temperature variations, ensuring reproducible and physiologically relevant measurements.

To meet the specific needs of both primary healthcare and occupational medicine, DATOSPIR Touch offers two operational modes: a primary care mode, ideal for detailed respiratory diagnostics, and an occupational medicine mode, optimized for large-scale health screenings and occupational health assessments.

Built to withstand frequent use and easy to transport, DATOSPIR Touch is the perfect

tool for mobile clinics and workplace health screenings.

The device can be quickly set up in any environment, delivering reliable results wherever needed. For added mobility, an embedded **rechargeable battery** ensures uninterrupted operation in locations with limited power access, and an optional carrying case enhances portability.

Hygiene is easily maintained with single-use antiviral/antibacterial filters and simple sanitization processes for turbine and surfaces, minimizing cross-contamination risks.

DATOSPIR Touch is equipped with a high-speed **thermal printer** that generates clear, legible reports on the spot, reducing wait times for both patients and healthcare staff.

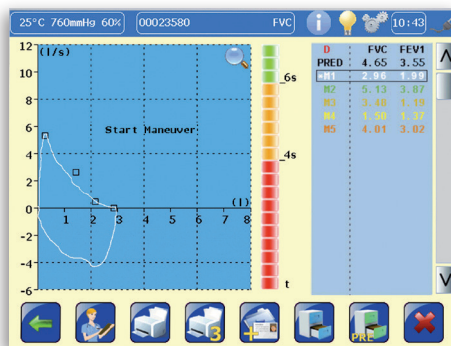
With storage capacity for up to **1,000 test**, DATOSPIR Touch facilitates efficient data management for large volumes of tests. Results can be easily transferred to **OMNIA** Software via USB, unlocking advanced interpretation tools, a broader range of predicted sets, and improved trend analysis capabilities. This integration supports enhanced diagnostic accuracy, early detection of respiratory conditions, and monitoring of chronic respiratory diseases, delivering a comprehensive approach to respiratory health management.



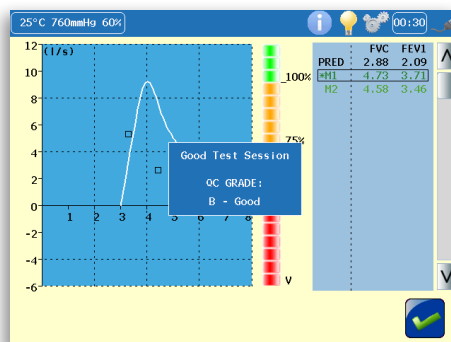
Testing Capabilities and Features

SPIROMETRY

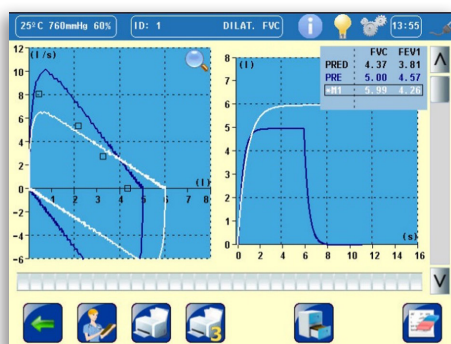
- Comprehensive spirometry testing, including FVC, SVC, MVV, pre/post-bronchodilation, and Broncho-Challenge assessments.
- Guided turbine calibration, featuring on-device recording and printable reports.
- Configurable incentive animations for children and adults to support patients during spirometry maneuvers.
- Bronchoconstrictor testing with either continuous agent administration or stepwise inhalation protocols.
- Over 20 built-in predicted sets for on-device reference across diverse populations.
- Automated interpretation based on user-selectable diagnostic criteria: ATS/ERS, Miller, Snider/Kory/Lyons, or NLHEP.
- Quality control alerts and grading, adhering to ATS/ERS and NLHEP standards.



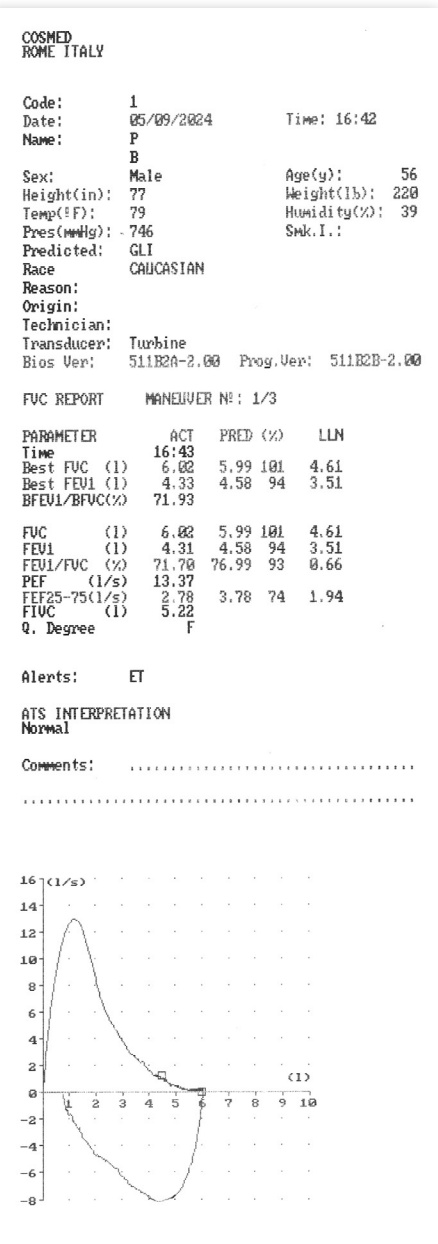
DATOSPIR Touch screenshot: FVC test



DATOSPIR Touch screenshot: QC grade message



DATOSPIR Touch screenshot: Pre vs. post-BD



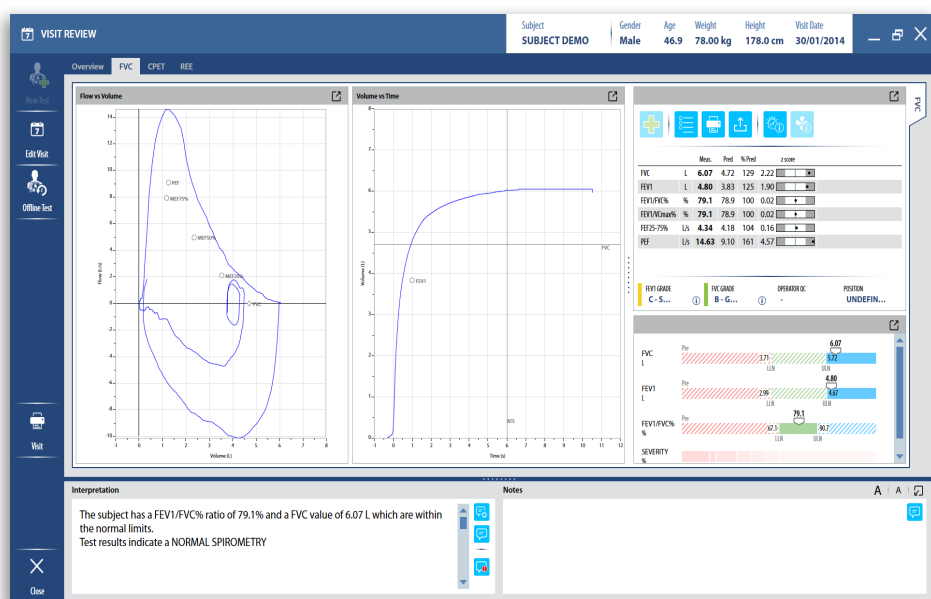
Thermal printout sample (original size 110mm wide)

RESPIRATORY MECHANICS

- Maximum inspiratory and expiratory pressure (MIP/MEP) assessments, providing accurate evaluations of respiratory muscle strength.
- Four on-device predicted sets, including P. Morales, S.H. Wilson, Black & Hyatt, and M.R. Charfi.
- Reusable mouth pressure meter with integrated shutter, designed for easy cleaning and maintenance.
- Versatile application for both healthy individuals and patients with pulmonary or neuromuscular conditions.

OMNIA Additional Functionalities

- Advanced result interpretation with automated tools, visual aids, and comprehensive editing functions.
- Fully customizable reports with predefined text templates for quick and efficient documentation.
- Seamless integration with HIS/EHR systems, supporting HL7, DICOM, and GDT protocols.
- Robust data protection with GDPR/HIPAA compliance and advanced security measures.



User-friendly and straightforward software interface for data management and advanced interpretation

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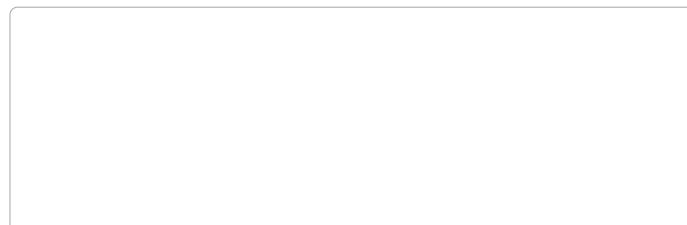


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To know more:



COSMED DATOSPIR Touch is a medical device.

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