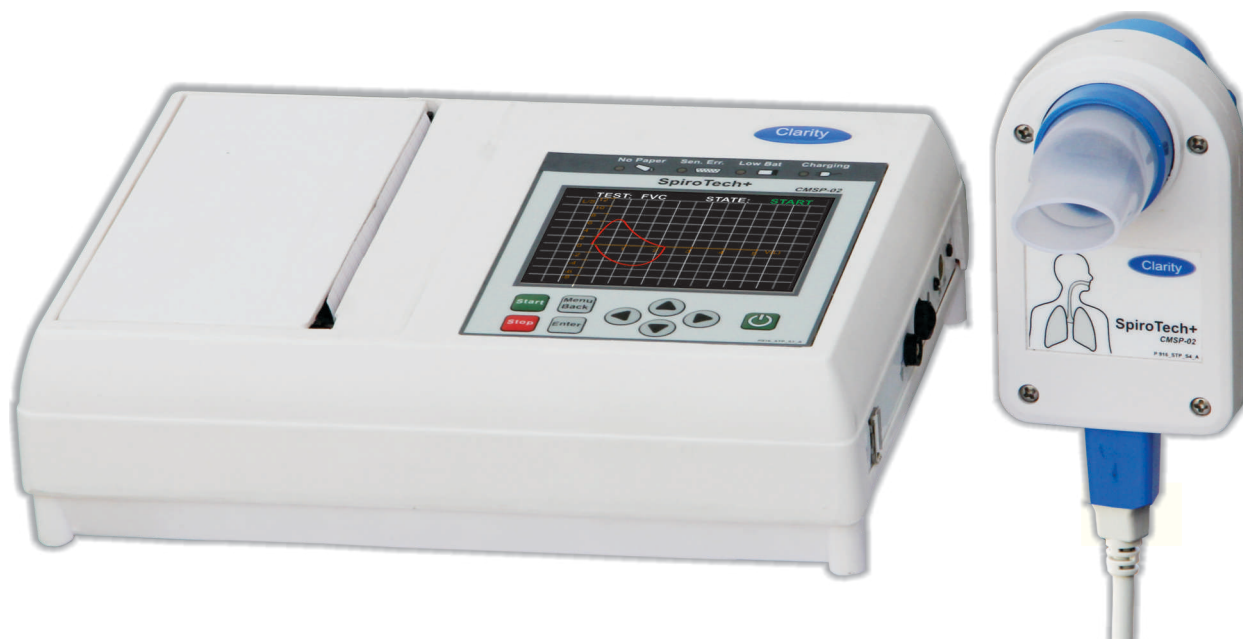




We Truly **MAKE IN INDIA**  
All Modules indigenous.

Clarity

*Clarity of thought..... spearheading diagnostic technology*



## SpiroTech+

CMSP-02

CE 1023

### Finest flow sensing technology

- 3.5" Color TFT display with Touch Screen
- All functions accessible through keypad
- Built in thermal printer
- Storage for 200 patient data
- FVC, SVC and MVV Test
- Auto Interpretation
- Indian predicted equations
- USB Pen Drive Interface for test storage
- Facility to download data to PC
- Small Size light weight and easy to carry
- Mains & battery operated
- Automatic power saving mode

## Specifications

### Spirometry

Air Flow Range(L/sec)	: -8 L/sec to +12 L/sec
Measurement Method	: Flow: Mouthpiece Volume: Flow integration
Max Volume Range	: 5 litres
Measuring Accuracy	: $\pm 1\%$
Transducer	: Bi-directional Turbine Cartridge
Calibration	: Using a 3.0L calibration syringe
Test Performed	: FVC, Pre/Post Testing, Flow Volume Locp, MVV, SVC
Predicted Normal	: Indian Predicted equations, Barcelona, ECCS/ERS 93, ITS-Black, ITC-White, Knudson 83 LAM
Measurement Time	: Up to 30 seconds
Parameter Measured (Computer)	: 31 FVC, 11-SVC and 6 MVV
Parameter Measured	: 30 FVC, 11-SVC and 6 MVV

### Display

Screen Type	: Color TFT with Touch Screen
Display Area	: 3.5 inch wide
Resolution	: 320x240 Pixels

### Electrical

Battery	: 7.4V 2.2Ah Li-ion can give more than 100 Patient recordings on a single charge
Recharge Time	: 3-4 hours for fully discharged battery
Power Supply	: 9V, 3A DC Adapter

### General

Size	: 216 mm (L) x 147 mm (w) x 61 (H)
Weight	: 800 gram
Paper	: 106 mm wide thermal paper in 20mm roll
LED Indicators	: Mains connected, low battery, No paper, Hand Set

### Operating Environment

Temperature	: 0 to 45°C
Humidity	: 5 to 95% RH, non- condensing
Storage	: -25 to 70° C

### Technical Specifications

Flow Detection	: Volume Differential
Transducer	: Bi-directional Turbine Cartridge
Turbine Sensor	: Infrared Transmitter/Receiver
Communication	: Serial
Power Supply	: DC Powered

### Standard Accessories

Nose Clip	: 2 No.
Mouth Piece	: 5 Nos.
Turbine	: 1 Nos.
USB Cable	: 1 No.
User Manual/CD	: 1 No.
Software CD	: 1 No.
Hand Set	: 1 No.
Carry Bag	: 1 No.

### PC Communication

USB Communication	: USB 2.0 interface for PC Application
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## Clarity Range Products

### Cardiology:

- **ECG:** ECG-1Ch / 2Ch / 3Ch / 4Ch / 6Ch / 12Ch A-4 (With Display)
- **TMT:** True ST (USB Powered) / Bluetooth (Battery Powered)
- **Patient Monitor:** Spectra Slim+(10.4") / Smart+(12.1") / Radiant(7") (ECG, SPO2, Respiration, Temperature, NIBP, 2,4 Ch IBP, EtCo2), Oxyplus 240ST

### Neurology:

- **EEG:** BrainTech Traveler - 24Ch / 32 / 32+ / 40+
- **NCS/EP's/EMG :** EasyTrace-2Ch NCS/EP's / EMG Octopus 2Ch / 4Ch / 8Ch  
NCS/EP's/EMG / EcoChg

**Audiology / Pulmonology :** ERG, BERA, Spirometer

## Other Product : IV Alert

Business Associate

CE 1023



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