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Clement Clarke International

Clement Clarke International has been a major force in the manufacturing of innovative medical instrumentation worldwide since its formation in 1917. As part of the Haag-Streit Group of companies for over 25 years, Clement Clarke has focused on developing and acquiring the highest quality products to strengthen its portfolio.

Clement Clarke's expertise in peak flow monitoring has led to the development of strong brands, such as Mini-Wright, Airzone and In-Check, recognised in the industry as 'the gold standard' for the accuracy of peak flow measurement.

The Mini-Wright range is supported by over 200 published papers and exported to over 50 countries worldwide. The company's portfolio consists of medical devices which help to diagnose, monitor, and treat the following respiratory diseases; asthma, COPD, cystic fibrosis, bronchiectasis and allergic rhinitis.

Clement Clarke are currently in a powerful position to support medical professionals through the integration of innovation, precision engineering, information technology and service excellence. The company take a strategic approach to innovative product development and are continually working to provide good quality, efficient and up-to-date medical devices that meet all current needs and requirements of today's professionals.

"We are, after all Engineered for Life" Mark Sanders, CCI Managing Director

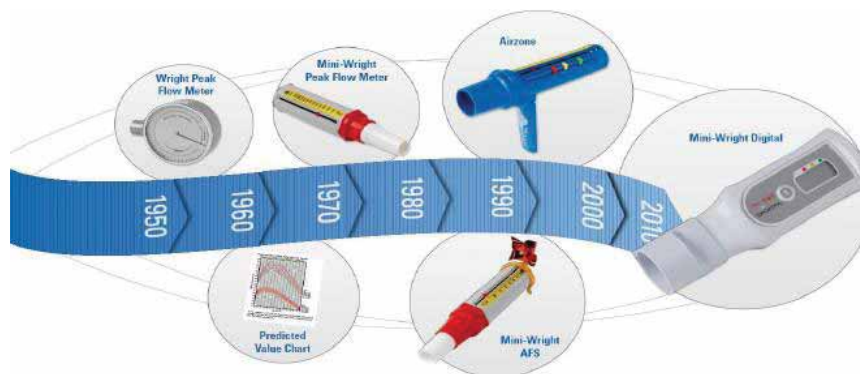


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Clement Clarke's flagship range of peak flow meters are the first choice for healthcare professionals when it comes to the measurement of peak expiratory flow. The first Mini-Wright was introduced in the 1970's as the far simpler and smaller successor to the Wright Peak Flow Meter. The Mini-Wright brand is recognised on a global scale, each device is individually calibrated; if you're looking for quality, you're looking for a Mini-Wright!

Peak flow meters allow patients to monitor their asthma; Peak Expiratory Flow (PEF) is a measurement of how fast a patient can blow out. When a patient is well, their PEF is higher; when the airways are narrow (as with asthma) PEF is lower.

Clement Clarke, pioneer of the first peak flow meter; the Wright Peak Flow Meter.



Accessories Available

	Qty	Code
Disposable One-Way Valve Mouthpieces - EXPIRATORY	5X20	3122062
Disposable One-Way Valve Mouthpieces - EXPIRATORY	200	3122064
Disposable One-Way Valve Mouthpieces - EXPIRATORY	500	3122066
Paed Adaptor (For one-way valve)	1	3122049
Paed Adaptor (For one-way valve)	20	3122120
Universal Adult Sterilizable Mouthpiece	1	3103051
Universal Adult Sterilizable Mouthpieces	15	3103095
Universal Paed Sterilizable Mouthpiece	1	3104033
Airzone Windmill Trainer	50	3104262
Mini-Wright AFS Windmill Trainer	50	3104272



Infection Control when using Multi-patient Devices

Infection control has become a critical issue in healthcare. Clement Clarke offer a wide range of mouthpieces, designed to minimise cross infection between patients, making many devices safe for multi-patient use. All infection control products fit the entire Mini-Wright range and have no effect on readings.

Please note: A new mouthpiece should be used after each patient.

NEW PRODUCT

eMini-Wright™

Peak flow monitoring is a recognised tool in asthma management. Keeping accurate manual peak flow records is sometimes difficult, the eMini-Wright brings peak flow monitoring up-to-date. The eMini-Wright is a small, discreet electronic peak flow meter that accurately measures and stores peak flow data. The data can be retrieved and downloaded to a PC. The eMini-Wright reports if a peak flow effort is not part of a reproducible group of readings. A 'Kit' is available, which includes the eMini-Wright Download unit, software and cable.

Product Features and Benefits

- Highly accurate peak flow measurements; conforms to International standards
- Stores 240 readings
- Easy to clean by simple wiping
- On-screen zoning system
- On-screen reporting of poor effort and non-reproducible results
- Downloadable software available free online
- Optional data cable

What is this Product Used for?

The eMini-Wright is for single patient serial peak flow measurement and data storage. On screen zoning system supports asthma management plan. An optional data cable enables download from the device to a PC. Software displays the data graphically and permits printing.

Part Code

eMini-Wright Unit:	3210000
eMini-Wright Download:	3210001
eMini-Wright Software and Cable:	3210002
eMini-Wright 'Kit':	3210003

Technical Specifications can be found on page 42

Product Suitability

Hospital
✓**Clinic**
✓**Home**
✓**Travel**
✓

eMini-Wright

Mini-Wright Digital™ Download

A compact and lightweight digital peak flow meter; measures not only Peak Expiratory Flow (PEF) but also FEV₁ for both asthma and COPD patients. This product has been designed to monitor asthma, and is a screening device for COPD patients. The MWD is a suitable device to be used as an electronic peak flow diary. Optional download facility is available to purchase, allowing a database of patient results to be created.

Product Features and Benefits

- Measures both PEF and FEV₁
- Multiple patient use with one-way valve mouthpiece
- Capacity to store 240 PEF and 240 FEV₁ results
- FEV₁ and PEF zoning can be set
- Water tight seal, making MWD waterproof for liquid sterilization
- Red, Yellow and Green zones can be preset with users personal values to help monitor condition



Interested in OCCUPATIONAL ASTHMA?

Special software is available for detecting occupational asthma. For more information please visit:
www.clement-clarke.com/products/mini-wright-digital-oasys

Part Codes

MWD Unit:	3120002
MWD Unit with Software and Cradle:	3120014
MWD Cradle and Software only:	3120500
MWD Mouthpiece Adaptor (5):	3120111

Technical Specifications can be found on page 42

Product Suitability

Hospital
✓

Clinic
✓

Home
✓

Travel
✓



Mini-Wright Digital
with Mouthpiece Adaptor

Engineered for Life

Mini-Wright™ Standard

The market-leading peak flow meter was pioneered by Clement Clarke in the early 1970's; the Mini-Wright Peak Flow Meter is the 'Gold Standard' in asthma management. The Mini-Wright Standard is lightweight, portable and is ideal for adults and children. Measuring PEF between 60-800 L/min, the Standard Mini-Wright is available in two scales, which are colour coded for easy recognition; ATS scale (tested to the American Thoracic Society standard) and an EU scale (tested to the European standard).

Product Features and Benefits

- Available in ATS and EU scales
- Lightweight and portable
- Individually calibrated for absolute accuracy
- Wide range of consumables available to minimise cross infection
- Easy to read scale
- Robust, proven design
- Simple to clean

What is this Product Used for?

The Mini-Wright Standard is predominantly used for taking peak flow measurements, and also to help patients manage their asthma.

Part Codes

Mini-Wright Standard EU Scale:	3103387
Mini-Wright Standard ATS Scale:	3103085

Product Suitability

Hospital ✓

Clinic ✓

Home ✓

Travel ✓



Mini-Wright Standard
with Mouthpiece

Mini-Wright AFS™ Low Range

Having set the standard with the Mini-Wright Standard, the AFS Low Range provides the same level of accuracy and consistency to those patients with lower peak flow monitoring requirements. Particularly useful for very young children, the elderly and patients with severe air flow obstruction; the Mini-Wright Low Range measures peak expiratory flow between 30-400 L/min.

Product Features and Benefits

- Available in ATS and EU scales
- Ideal for children and the elderly
- Individually calibrated for accuracy
- Incorporates Aerodynamic Flow System (AFS)
- Easy to read scale
- Simple to use
- Readings can be taken on the move
- Compact for portability

What is this Product Used for?

Particularly useful for patients who have a typically low peak flow reading. By reducing the range of the scale, this device enables readings to be more accurate in comparison to a scale on a larger peak flow meter.

Part Codes

Mini-Wright AFS Low Range EU Scale:	3104710
Mini-Wright AFS Low Range ATS Scale:	3104050

Product Suitability

Hospital

Clinic

Home

Travel



Mini-Wright AFS Low Range
with Mouthpiece

Airzone™

This pocket sized peak flow meter is suitable for both adults and children, it features a special patented tamper-proof zoning system; which allows safe and accurate self-management. The Airzone is individually calibrated to ensure accuracy and offers reliability and portability all at an affordable price. Available in both ATS and EU scale versions. The Airzone measures peak expiratory flow between 60-720 L/min ATS and 60-800 L/min EU.

Product Features and Benefits

- Available in ATS and EU scales
- Suitable for adults and children
- Individually calibrated for accuracy
- Conforms to NAEP guidelines
- Lightweight and compact
- Zoning system allows self-management

What is this Product Used for?

The Airzone is designed for patients on the move; a pocket peak flow meter with the same accuracy as a Mini-Wright Standard. With the added value of the zoning function for easy asthma management.

Part Codes

Airzone EU Scale in a poly bag:	3131001
Airzone EU Scale in a box:	3130160
Airzone ATS Scale in a poly bag:	3130057
Airzone ATS Scale in a box:	3130119

Product Suitability

Hospital ✓

Clinic ✓

Home ✓

Travel ✓



Airzone

Windmill Trainer (Mini-Wright AFS & Airzone)

Designed for children, to help encourage a good peak flow reading and to teach correct technique quickly. As air exits the peak flow meter, the Windmill will spin round. By progressively positioning the Windmill further from the mouthpiece, the greater the flow required to spin the Windmill. Optimum peak flow measurements are obtained as the patient tries their hardest to reach the target set by correctly positioning the Windmill on the peak flow scale.

Product Features and Benefits

- Ideal for children
- Teaches good technique quickly
- Reduces variability in readings
- Adds an element of 'fun'
- Clips easily onto Mini-Wright AFS and Airzone Peak Flow Meters

What is this Product Used for?

The Windmill Trainer is aimed at children and injects some fun into peak flow measuring. For healthcare professionals this incentive training tool helps to save time, teaching a good peak flow technique, this permits younger children to benefit from peak flow monitoring.

Part Codes

Mini-Wright AFS Windmill Trainer (50):	3104272
Airzone Windmill Trainer (50):	3104262



Windmill Trainer
with Mini-Wright AFS Low Range

Product Suitability





2. Spirometry

Clement Clarke have used their respiratory expertise to develop a wide range of Spirometers which measure lung volumes, through the forced expiration of air from a patient's lungs. Spirometer readings are accurate, there are well-defined normal ranges that allow for the effects of age, sex and height.

Spirometry is the procedure of choice to screen for COPD and monitor the disease progression, as well as for differentiating between asthma and COPD. Spirometers can be used for distinguishing between obstructive disorders (COPD, asthma) and restrictive disorders (emphysema). Spirometers can also be used for the following: diagnosing and evaluating the severity of COPD and other lung diseases, assessing the extent of abnormalities, judging responses to therapy, determining progression of lung disease.

Spirometer Comparison

Tester Models

Tester Screen

- Measures PEF and FEV₁
- Predicted Values

Tester Memo

- Measures PEF and FEV₁
- Memory
- Kit available:
print facility

FVC Models

FVC Screen

- Measures PEF, FEV₁, FVC
FEV₁/FVC Ratio
- Predicted Values

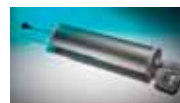
FVC Memo

- Measures PEF, FEV₁, FVC,
FEV₁/FVC Ratio
- Memory
- Kit available:
Flow/vol curve
Vol/time curve
Print facility

The 'Kit' includes the relevant handset, a PC connecting cable, the One Flow Software and an additional mouthpiece

Accessories Available

	Qty	Code
Disposable One-Way Valve Mouthpieces - EXPIRATORY	5x20	3122062
Disposable One-Way Valve Mouthpieces - EXPIRATORY	200	3122064
Disposable One-Way Valve Mouthpieces - EXPIRATORY	500	3122066
Paed Adaptor (For one-way valve)	1	3122049
Paed Adaptor (For one-way valve)	20	3122120
Calibration Syringe	1	3141127
All-Flow Filters		
White	100	3141260
Red	100	3141265
Orange	100	3141263
Blue	100	3141262
Green	100	3141266
Yellow	100	3141264
Purple	100	3141261
One Flow Software	1	3141204
One Flow PC Serial Cable	1	3141125
One Flow PC USB Cable	1	3141126



Infection Control when using Multi-patient Devices

Infection control has become a critical issue in healthcare. Clement Clarke offer a wide range of mouthpieces, designed to minimise cross infection between patients, making many devices safe for multi-patient use. All infection control products fit the One Flow range and have no effect on readings.

Please note: A new mouthpiece should be used after each patient.

Engineered for Life

One Flow™ Tester Screen

The Tester Screen measures the patient's actual PEF and FEV₁ and compares the measurements to their predicted values when relevant patient data is entered. Once patient details have been entered, the best of 3 measurements are displayed. This feature makes the Tester Screen ideal for use as a screening device for COPD in GP surgeries, hospitals, in the community or in occupational health.

Product Features and Benefits

- Measures PEF and FEV₁
- Suitable for patient screening in hospitals, GP surgeries, at home or occupational health
- Removable mouthpiece tube for easy cleaning
- Portable, reliable and accurate
- Easy to use, hand-held, inexpensive device

What is this Product Used for?

The Tester Screen is used in patient follow-ups and clinical trials.

Part Codes

Tester Screen: 3141006

Technical Specifications can be found on page 41



Product Suitability

Hospital ✓

Clinic ✓

Home ✓

Travel ✓

Tester Screen

One Flow™ Tester Memo

The Tester Memo measures PEF and FEV₁, with up to 120 of each measurement automatically stored with session date and time. This memory capacity makes the Tester Memo and Kit ideal for patient monitoring as PEF/FEV₁ diaries, and also for clinical research trials. The Tester Memo Kit includes, the Tester Memo handset, a PC connection cable, the One Flow software and an additional mouthpiece.

Product Features and Benefits

- Measures PEF and FEV₁
- Can be used as an electronic PEF and FEV₁ diary
- Suitable for patient screening in hospitals, GP surgeries, at home or occupational health
- 120 PEF and FEV₁ measurements can be stored with session date and time. Values stored are the best for each session
- Easy to use, hand-held, inexpensive device

What is this Product Used for?

The Tester Memo is used in patient follow-ups and clinical trials.

Part Codes

Tester Memo:	3141004
Tester Memo Kit:	3141005
One Flow Software:	3141204
One Flow PC Serial Cable:	3141125
One Flow PC USB Cable:	3141126

Technical Specifications can be found on page 41



Tester Memo Kit

Product Suitability



Engineered for Life

One Flow™ FVC Screen

The One Flow FVC Screen measures not only PEF, FEV₁, but also FVC and FEV₁/FVC ratios. This makes the FVC range of spirometers more advanced, when compared to the Tester range. The patient's actual values are displayed as a percentage of their predicted value when their height, age and gender are entered. These capabilities make the One Flow FVC Screen the ideal spirometer for screening and monitoring COPD.

Product Features and Benefits

- Easy to use, portable, reliable and accurate
- Measures PEF, FEV₁, FVC and FEV₁/FVC ratios
- Ideal for patient screening in hospitals, GP surgeries or occupational health
- Predicted values are displayed when height, age and gender are entered
- Removable mouthpiece tube for easy cleaning
- Easy to use, hand-held, inexpensive device

What is this Product Used for?

The One Flow FVC Screen is used in screening programmes; the device easily compares patient results in relation to their predicted values.

This spirometer also helps to monitor lung function and indicates deterioration.

Part Codes

FVC Screen: 3141007

Technical Specifications can be found on page 41



Product Suitability

Hospital
✓

Clinic
✓

FVC Screen

One Flow™ FVC Memo

The FVC Memo measures PEF, FEV₁, FVC and FEV₁/FVC ratios, with up to 100 of each measurement stored with session and date; it is ideal for monitoring and screening patients in GP surgeries, hospitals, the community or occupational health clinics. The FVC offers the option to be able to upload data, which can be analysed. The relevant software can be purchased for this, or there is the option of the FVC Kit which includes the FVC handset, a PC connection cable, One Flow software and an additional mouthpiece.

Product Features and Benefits

- Easy to use, portable, reliable and accurate
- Measures PEF, FEV₁, FVC and FEV₁/FVC ratios
- Software enables flow/volume and volume/time curves to be produced with patient's data in a tabular format
- FVC Kit available, includes the FVC handset, a PC connection cable, One Flow software and an additional mouthpiece
- Reversibility testing can be performed with 3 pre and 3 post measurements and superimposed curves
- Ideal for patient screening

What is this Product Used for?

Ideal spirometer for screening and monitoring COPD, this spirometer also helps to indicate deterioration.

Part Codes

FVC Memo:	3141000
FVC Memo Kit:	3141001USB
One Flow Software:	3141204
One Flow PC Serial Cable:	3141125
One Flow PC USB Cable:	3141126

Technical Specifications can be found on page 41

Product Suitability

Hospital

Clinic



FVC Memo Kit



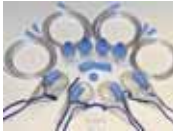




3. Nebulisation

When a condition such as asthma or COPD cannot be controlled by the use of either metered dose inhalers (pMDI) or by dry powder inhalers (DPI), or when a large dose of medication is required, the patient may require a nebuliser. Nebulisation is the only method of administering antibiotics in aerosol form. By combining the quality of the Lifecare Micro-Neb III, with the reliability and performance of Medix compressors, Clement Clarke can offer a customised solution for all patients requiring inhaled drug therapy.

Nebuliser Comparison

Portability	MicroNeb	Hand-held device, battery operated and virtually silent.	Light Use
	World Traveller	Can operate anywhere in the world.	Medium Use
Mains Powered	Actineb	Powerful machine, suitable for both the home and clinic.	Medium Use
	AC2000	Easy to use controls, ideal for the elderly and young children. Continuously rated.	Heavy Use
	Econoneb	Ideal for continuous use in clinics and hospitals.	Heavy Use
	Turboneb 2	Model with the highest flow rate, ensures quick medication delivery. Continuously rated.	Heavy Use

Accessories Available

	Qty	Code	
Year Packs			
Adult Year Pack (World Traveller, AC2000, Econoneb & Turboneb 2)	1	L3605122	
Paed Year Pack (World Traveller, AC2000, Econoneb & Turboneb 2)	1	L3605123	
Actineb Adult Year Pack	1	L3103001	
Actineb Paed Year Pack	1	L3702080	
MicroNeb Adult Year Pack	1	3300192	
MicroNeb Paed Year Pack	1	3300191	
Adult Micro-Neb III Mask Kit	25	L3605491	
Paed Micro-Neb III Mask Kit	25	L3605493	
Shoulder Bag (AC2000 & World Traveller)	1	3607691	
World Traveller Battery Pack	1	3605290	
World Traveller DC Car Lead	1	3605667	
World Traveller Mains Lead	1	3605622	

Each Year Pack contains (Excluding MicroNeb Year Packs): 4 x Medication Chambers, 4 x Face Masks (Adult or Child), 4 x Drivelines, 1 x Mouthpiece, 1 x Outlet Filter* and 4 x Inlet Filters**

*Not included in the Actineb Adult or Paediatric Year Pack

**Actineb Year Packs contain inlet filter discs rather than inlet filters

Micro-Neb III (Medication Chamber)

When respirable output is of prime importance, the Micro-Neb III is the answer. This nebuliser has been shown to consistently perform well in comparative studies. Suitable for use with bronchodilators, inhaled steroids and antibiotics, the Micro-Neb III features an anti-spill design, as well as a self-aligning construction for the control of six critical dimensions, which guarantees optimum particle size and output performance.

The Micro-Neb III is available on its own, as a 'Kit' with a facemask or mouthpiece and is also available with an angled mask connector to fit the Duo Mask. The paediatric version of the Micro-Neb III nebuliser features bright colours to engage the child's attention and to reduce the fear of a frightening medical device.

MicroNeb

The MicroNeb is the latest addition to Clement Clarke's Medix nebuliser range. This hand-held, portable, silent nebuliser offers convenience and effective therapy for patients on the move. This device is capable of delivering drugs fast and effectively to patients in a variety of different situations; making this the 'must have' nebuliser for pure convenience. A wide range of consumables are also available for this product; helping patients to tailor their drug delivery method to ensure personal and maximum comfort.

Includes a 3 year guarantee

Product Features and Benefits

- Pocket size nebuliser
- Simple one button operation
- Battery powered, 2 AA batteries can last for up to 8 days (based on a typical usage of 30mins per day)
- Powerful nebulisation means MicroNeb can be the patient's only nebuliser
- Can be used in a horizontal position
- An AC adaptor for home use is available
- Lightweight; weighs just 300 grams (with batteries)

What is this Product Used for?

- Portable nebuliser, designed specifically for patients on the move as can be used at anywhere
- Nebulisation of medication for asthma and COPD
- Suitable for patients of all ages
- Fast and effective therapy for drug delivery

Part Code

MicroNeb:	3604400
MicroNeb AC Adaptor:	3604410

Technical Specifications

Dimensions:	38x104x51mm
Weight:	97g (w/o batteries)
Ultrasonic Frequency:	Approx. 180 KHz
Particle Size:	MMAD 4.9 microns
Aerosol Output Rate:	0.4-0.5ml per minute
Battery Life:	8 days (Based on 30 minutes per day)



MicroNeb
Comes complete with a Starter Pack

Product Suitability

Home
✓

Travel
✓

World Traveller

The World Traveller operates from any mains supply worldwide. It can also be used in the car with a 12V DC lead. Designed for patients on the move; the attractive durable case has been designed for the storage of drugs and accessories. This high flow rate compressor is suitable for nebulising bronchodilators, corticosteroid and antibiotics. The World Traveller comes complete with a Starter Pack which includes; one Micro-Neb III chamber, one driveline, one adult and one paediatric mask, one mouthpiece and one inlet filter.

Includes a 3 year guarantee

Product Features and Benefits

- Can be used worldwide
- Ensures fast and efficient delivery of bronchodilators, corticosteroids and antibiotics
- Optional battery pack available (not included)
- Can be used in the car using 12V DC lead, included with nebuliser
- Ideal for travel
- Reliable and easy to use
- Optional shoulder bag available
- Easy carrying handle

What is this Product Used for?

- Designed specifically for patients on the move
- Nebulisation of medication for asthma and COPD
- Suitable for patients of all ages
- Fast and effective therapy for drug delivery

Part Code

World Traveller:	3605010
Battery Pack:	3605290
Shoulder Bag:	3607691

Technical Specifications

Dimensions:	375 x235x115mm
Weight:	2.8kg (w/o battery)
Typical Dynamic Flow and Pressure:	AC 7-8.5 L/min @ 138 kPa DC 6.5-8.5 L/min @ 138 kPa
Particle Size:	MMAD 3.2 microns
Aerosol Output Rate:	0.36ml per minute
% Particle:	70% of particles < 5 microns



World Traveller
Comes complete with a Starter Pack

Product Suitability

Home

Travel

Actineb

This easy to use Medix compressor offers excellent value for money. Ideal for home and clinic use; this reliable nebuliser can efficiently nebulise all commonly prescribed medications for chest conditions. The Actineb is suitable for all age groups and ensures fast and effective therapy every time for bronchodilators, corticosteroids and antibiotics. The Actineb comes with a discreet storage compartment for all accessories, which takes up very little space in the home. The Medix Actineb comes complete with a Starter Pack.

Includes a 3 year guarantee

Product Features and Benefits

- Small footprint helps save space
- Ensures fast and efficient delivery of bronchodilators, corticosteroids and antibiotics
- Supplied complete with a starter pack, ready for immediate use
- Discreet storage compartment allows for all accessories and cable to be stored neatly
- Reliable and easy to use
- Easy carrying handle

What is this Product Used for?

- Nebulisation of medication for asthma and COPD
- Suitable for patients of all ages
- Fast and effective therapy for drug delivery

Part Codes

Actineb (UK Plug):	3604700HWUK
Actineb (EU Plug):	3604701HWEU

Technical Specifications

Dimensions:	282x200x125mm
Weight:	2.3kg
Typical Dynamic Flow and Pressure:	7 L/min @ 138 kPa
Particle Size:	MMAD 3.3 microns
Aerosol Output Rate:	0.38ml per minute
% Particle:	72% of particles < 5 microns



Actineb
Comes complete with a Starter Pack

Product Suitability

Clinic
✓

Home
✓

AC2000

This reliable nebuliser offers a high flow solution that is suitable for nebulising all commonly prescribed medications for chronic and acute chest conditions. Continuously rated and designed with a storage compartment for drugs, mask and accessories. This Medix model is easy to use making it an ideal home nebuliser for young children and the elderly. Comes complete with a Starter Pack.

Includes a 3 year guarantee

Product Features and Benefits

- Ensures fast and efficient delivery of bronchodilators, corticosteroids and antibiotics
- Supplied complete with a starter pack, ready for immediate use
- Discreet storage compartment allows for all accessories and cable to be stored neatly
- Reliable and easy to use
- Easy carrying handle
- Continuously rated
- Shoulder bag available

What is this Product Used for?

- Nebulisation of medication for asthma, COPD and cystic fibrosis
- Suitable for patients of all ages
- Fast and effective therapy for drug delivery

Part Codes

AC2000 (UK Plug): 3605020HWA
 AC2000 (EU Plug): 3605022HWEU
 Shoulder Bag: 3607691

Technical Specifications

Dimensions:	375x235x115mm
Weight:	2.8kg
Typical Dynamic Flow and Pressure:	7-9 L/min @ 138 kPa
Particle Size:	MMAD 3.1 microns
Aerosol Output Rate:	0.38ml per minute
% Particle:	72% of particles < 5 microns



AC2000
Comes complete with a Starter Pack

Product Suitability



Econoneb

Continuously rated, making the Econoneb a cool running compressor for demanding use. A reliable unit that is ideal for meeting the challenges of both the hospital and the clinic. The Econoneb has a high flow rate which is suitable for nebulising bronchodilators (relievers), corticosteroids (preventers) and antibiotics. The Econoneb comes complete with a Starter Pack.

Includes a 3 year guarantee

Product Features and Benefits

- Reliable performance
- Compact design makes it easy to clean
- Tubing holder design provides a convenient temporary holding for the nebuliser kit
- Easy to carry; the integrated handle and lightweight design allows easy carrying and good portability
- High flow rate
- Continuously rated

What is this Product Used for?

- Nebulisation of medication for asthma, COPD and cystic fibrosis
- Suitable for patients of all ages
- Fast and effective therapy for drug delivery

Part Codes

Econoneb (UK Plug): 3605040HW
Econoneb (EU Plug): 3605042HWEU

Technical Specifications

Dimensions:	210x185x185mm
Weight:	2.7kg
Typical Dynamic Flow and Pressure:	7.9 L/min @ 138 kPa
Particle Size:	MMAD 3.1 microns
Aerosol Output Rate:	0.39ml per minute
% Particle:	72 of particles < 5 microns



Econoneb
Comes complete with a Starter Pack

Product Suitability

Hospital
✓

Clinic
✓

Turboneb 2

The Turboneb 2 has the highest flow rate of all the Clement Clarke nebulisers, for fast drug delivery. It is continuously rated, making it a cool running nebuliser for demanding use; such as in a multi-patient ward use environment. The Turboneb 2 offers a customised solution for all patients requiring inhaled drug therapy.

Includes a 3 year guarantee

Product Features and Benefits

- Ideal for CF patients
- Continuously rated
- Remains cool during constant use
- Powerful compressor
- Reliable and easy to use
- Easy carrying handle

What is this Product Used for?

- Nebulisation of medication for asthma, COPD and cystic fibrosis
- Suitable for patients of all ages
- Continual use

Part Codes

Turboneb 2 (UK Plug): 3605050HW
Turboneb 2 (EU Plug): 3605052HWEU

Technical Specifications

Dimensions:	210x185x185mm
Weight:	2.7kg
Typical Dynamic Flow and Pressure:	12 L/min @138 kPa
Particle Size:	MMAD 3.1 microns
Aerosol Output Rate:	0.46ml per minute
% Particle:	80% of particles < 5 microns



Turboneb 2
Starter Pack not included

Product Suitability

Hospital
✓

Clinic
✓



4. Oxygen Therapy

Lifecare oxygen therapy products provide maximum patient comfort and unsurpassed performance. Clement Clarke's programme of continuous improvement and strict manufacturing standards, ensure the highest level of quality and guarantee compliance to the medical device directive. Oxygen therapy devices fall into three categories:

- | | | |
|-----|----------------------|-----------|
| (1) | Low Concentration | 24% - 35% |
| (2) | Medium Concentration | 35% - 60% |
| (3) | High Concentration | 60% - 90% |

In approximate devices the oxygen concentration varies with changes of tidal volume, breathing rate and variance in input level of oxygen; while fixed devices provide accurate known levels of oxygen stable over a wide range of input oxygen supply. The Nasal Cannula and High and Medium Concentration Masks are approximate devices providing oxygen at the level of 24% to 90%. The Venturi Mask provides known accurate levels of oxygen at set levels. The high flow characteristics of the Venturi Mask also ensures the elimination of unwanted carbon dioxide regardless of the patient-breathing pattern.

Because of the vital importance of proper administration of oxygen, in all areas of the hospital and community, customised training is an integral part of the Lifecare oxygen therapy solution. The inappropriate use of O₂ correctly can be fatal.

Nebuliser - Micro-Neb III

Nebulisers are used when the condition cannot be controlled by metered dose inhalers and dry powder inhalers, or if a large dose of drug is required. 2.5ml of nebuliser solution is equivalent to 25 puffs of an MDI.

The Micro-Neb III nebuliser consistently out performs all alternative nebulisers and is suitable for use with bronchodilators, inhaled steroids and antibiotics. The Micro-Neb III has an anti-spill design and is also available with an angled mask connector or mouthpiece.

Part Codes

Adult nebuliser kit with mask and tubing (25):	L6003
Paed nebuliser kit with mask and tubing (25):	L6004
Adult mouthpiece kit with tubing (25):	L6005
Micro-Neb III nebuliser (25):	L6006
Micro-Neb nebuliser mouthpiece (50):	L6008
Nebuliser inline adaptor kit with tubing (25):	L6009
Inline 'T' piece with 22mm tubing connector (25):	L6010
Paed mouthpiece kit with tubing (25):	L6011
Adult Nebuliser Year Pack:	L6120
Paed Nebuliser Year Pack:	L6121
Nebuliser Year Pack with mouthpiece:	L6122



Aerosol Mask (System 3000)

Aerosol Masks offers a versatile solution to all oxygen therapy and nebulisation support needs of a hospital, clinic or an ambulance. One mask can be ordered and stocked in combination with several different accessories to satisfy requirements for Aerosol, Venturi and Nebuliser Masks in both adult and paediatric designs.

Part Codes

Adult Aerosol Mask (50):	L3000
Paed Aerosol Mask (50):	L3002
Corrugated 22mm tubing in 50m coil:	L5000
Blue Venturi with Reservoir tubing (50):	L4002/24%
White Venturi with Reservoir tubing (50):	L4002/28%
Orange Venturi with Reservoir tubing (50):	L4002/31%
Yellow Venturi with Reservoir tubing (50):	L4002/35%
Red Venturi with Reservoir tubing (50):	L4002/40%
Green Venturi with Reservoir tubing (50):	L4002/60%
Blue Venturi Jet (50):	L4102/24%
White Venturi Jet (50):	L4102/28%
Orange Venturi Jet (50):	L4102/31%
Yellow Venturi Jet (50):	L4102/35%
Red Venturi Jet (50):	L4102/40%
Green Venturi Jet (50):	L4102/60%
Micro-Neb III Nebuliser:	L6006



Product Suitability



Combination Mask (Duo Mask)

The Combination Mask demonstrates Lifecare’s ability to listen to the market and deliver solutions that improve patient care, while improving efficiency and reducing costs. This multi-purpose mask is available in adult and paediatric versions and offers medium, controlled and high concentration oxygen therapy, as well as aerosol and nebuliser therapy all in one flexible system.

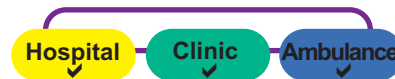
The Combination Mask eliminates the need to stock multiple masks, thereby saving money and reducing wastage. Four simple conversions can convert this mask easily and quickly into five different oxygen therapy solutions.

Part Codes

Adult Duo Mask with headband (50):	L2000
Adult Duo Mask with headband & tubing (25):	L2001/S
Paed Duo Mask with headband (50):	L2005
Paed Duo Mask with headband & tubing (25):	L2006/S
Adult Duo Mask with earloops (50):	L2007
Paed Duo Mask with earloops (50):	L2018
Non Rebreathe Bag with connector (50):	L 2022
Micro-Neb III with angle connector:	L6007
Corrugated 22mm tubing in 50m coil:	L5000
Blue Venturi with Reservoir tubing (50):	L4002/24%
White Venturi with Reservoir tubing (50):	L4002/28%
Orange Venturi with Reservoir tubing (50):	L4002/31%
Yellow Venturi with Reservoir tubing (50):	L4002/35%
Red Venturi with Reservoir tubing (50):	L4002/40%
Green Venturi with Reservoir tubing (50):	L4002/60%



Product Suitability



Medium Concentration (MC) Mask

The Lifecare Medium Concentration Mask provides maximum patient comfort and unsurpassed performance. The MC Mask features a soft, lightweight construction with rolled flash-free edges to reduce skin contact to increase patient comfort. The integral noseband and anatomical design ensures a secure fit for all nose bridges and may be easily adjusted by either the patient or carer. The MC Mask includes a rotating oxygen connector and the unique Lifecare anti-occlusion rib to avoid accidental occlusion of a Guedel Airway. The crystal clear construction improves patient monitoring. Designed to make a high-quality medium concentration mask affordable, the MC Mask is available in both adult and paediatric versions.

Part Codes

Adult MC Mask with headband (50):	L2009
Adult MC Mask with headband and 1.8m tubing (25):	L2010
Adult MC Mask with headband and 2.1m tubing (25):	L2011
Paed MC Mask with headband (50):	L2015
Paed MC Mask with headband and 1.8m tubing (25):	L2016
Adult MC Mask with earloops (50):	L2017



Product Suitability



Nasal Cannula

The safe, anti-crush design of the Nasal Cannula combined with the crystal clear quality of the soft PVC construction makes it a secure, yet discreet choice for patients who are sensitive to wearing a breathing device. The over-ear fitting and adjustable non-slip lariat also makes the Nasal Cannula a comfortable option. In addition, the location lip maintains correct positioning of the twin nasal probe for better oxygen distribution. Available with a choice of 1.8 metre, 3.0 metre tubing, as well as either a 4.7mm or 7-10mm connector, the Nasal Cannula is the precise, yet flexible solution.

Part Codes

Adult straight prongs with 3.0m tubing and 4-7mm connector (40):	L2012
Adult straight prongs with 1.8m tubing and 4-7mm connector (50):	L2013
Adult straight prongs with 1.8m tubing and 7-10mm connector (50):	L2014
Adult straight prongs without tubing (50):	L2020
Neo Natal straight prongs with 2.1m tubing (50):	L3231
Paed straight prongs with 2.1m tubing (50):	L3232
Adult curved prongs with 2.1m tubing (50):	L3233



Product Suitability



Non Rebreathe Mask

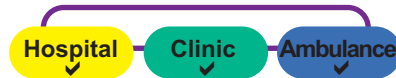
The unique Non Rebreathe Mask airway anti-occlusion rib protects against accidental occlusion of a Guedal Airway, while the crystal clear construction improves patient monitoring. The refined design of the mask combined with the soft, lightweight construction with rolled flash-free edges improves facial sealing to ensure a higher concentration of oxygen being delivered. The integral noseband and anatomical design of both adult and paediatric versions ensure a secure fit for all nose bridges and may be adjusted easily by either the patient or carer.

Part Codes

Adult Non Rebreathe Mask with headband (25):	L2021
Non Rebreathe Bag with connector - use with Duo Mask (50):	L2022
Paed Non Rebreathe Mask with headband (25):	L2023
Adult Non Rebreathe Mask with headband and 1.8m tubing (25):	L2024
Paed Non Rebreathe Mask with headband and 1.8m tubing (25):	L2025



Product Suitability



Oxygen Tubing

Oxygen Tubing is a safe, anti-crush, high-pressure tube suitable for all oxygen and nebulisation therapy.

Part Codes

1.8m tubing with 4-7mm connector (50):	L2002
1.8m tubing with 7-10mm connector (50):	L2003
3.0m tubing with 4-7mm connector (50):	L2002/3.0m
3.0m tubing with 7-10mm connector (50):	L2003/3.0m
Corrugated 22mm tubing, cuffed at 30cm in a 50m coil:	L5000



Product Suitability



Venturi Masks - Fixed Concentration with Tubing (24-60%)

When accuracy is the primary consideration, the Venturi Mask ensures peak inspiratory flows are catered for due to the safety reservoir tube so that the patient always receives the prescribed amount of oxygen. The venturi sometimes operate at flows in excess of 78 lpm, which may cause patient discomfort if positioned too close to the face. The reservoir tube prevents this by acting as a diffuser providing a gentle flow, resulting in greater patient compliance. The Venturi Mask features a soft, lightweight construction with rolled flash-free edges to reduce skin contact and increase patient comfort. The integral noseband and anatomical design ensures a secure fit for all nose bridges and may be adjusted easily by either the patient or carer. The crystal clear construction improves patient monitoring.



Product Suitability

Hospital
✓

Clinic
✓

Ambulance
✓

Part Codes

Adult Venturi Mask with Reservoir tubing and blue 24% venturi (25)	L4000/24%
Adult Venturi Mask with Reservoir tubing and white 28% venturi (25):	L4000/28%
Adult Venturi Mask with Reservoir tubing and orange 31% venturi (25):	L4000/31%
Adult Venturi Mask with Reservoir tubing and yellow 35% venturi (25):	L4000/35%
Adult Venturi Mask with Reservoir tubing and red 40% venturi (25):	L4000/40%
Adult Venturi Mask with Reservoir tubing and green 60% venturi (25):	L4000/60%
Paed Venturi Mask with Reservoir tubing and blue 24% venturi (25):	L4006/24%
Paed Venturi Mask with Reservoir tubing and white 28% venturi (25):	L4006/28%
Paed Venturi Mask with Reservoir tubing and orange 31% venturi (25):	L4006/31%
Paed Venturi Mask with Reservoir tubing and yellow 35% venturi (25):	L4006/35%
Paed Venturi Mask with Reservoir tubing and red 40% venturi (25):	L4006/40%
Paed Venturi Mask with Reservoir tubing and green 60% venturi (25):	L4006/60%
Adult Venturi Mask kit with tubing containing two venturi jets - 24% and 28%:	L4004T 24/28%

Venturi Masks - Fixed Concentration without Tubing (24-60%)

The Venturi delivers the prescribed oxygen concentrations irrespective of the patient's respiratory pattern. The Venturi jets can be easily changed to varying oxygen concentrations. This affordable device can also be used to deliver humidity aerosol therapy by means of a humidification hood.



Product Suitability

Hospital

Clinic

Ambulance

Part Codes

Adult Venturi Mask with blue 24% venturi (25):	L4100/24%
Adult Venturi Mask with white 28% venturi (25):	L4100/28%
Adult Venturi Mask with orange 31% venturi (25):	L4100/31%
Adult Venturi Mask with yellow 35% venturi (25):	L4100/35%
Adult Venturi Mask with red 40% venturi (25):	L4100/40%
Adult Venturi Mask with green 60% venturi (25):	L4100/60%
Paed Venturi Mask with blue 24% venturi (25):	L4106/24%
Paed Venturi Mask with white 28% venturi (25):	L4106/28%
Paed Venturi Mask with orange 31% venturi (25):	L4106/31%
Paed Venturi Mask with yellow 35% venturi (25):	L4106/35%
Paed Venturi Mask with red 40% venturi (25):	L4106/40%
Paed Venturi Mask with green 60% venturi (25):	L4106/60%
Blue Venturi Jet (50):	L4102/24%
White Venturi Jet (50):	L4102/28%
Orange Venturi Jet (50):	L4102/31%
Yellow Venturi Jet (50):	L4102/35%
Red Venturi Jet (50):	L4102/40%
Green Venturi Jet (50):	L4102/60%
Adult Venturi Mask kit containing four venturi jets - 24%, 28%, 35% and 40%:	L4005
Paed Venturi Mask kit containing four venturi jets - 24%, 28%, 35% and 40%:	L4007
Venturi Recovery 'T' Piece with 40% jet:	L4011/40%



The In-Check range of hand-held inspiratory flow meters is a direct result of Clement Clarke's experience in measuring airflow. Innovative product development has seen the revised addition of the In-Check DIAL. Clement Clarke are continually working with clinicians to develop this pioneering, but practical application of simple inspiratory flow measurement for the appropriate selection and efficient use of inhalers and the measurement of inspiratory capability in COPD patients.

Accessories Available

	Qty	Code
Disposable One-Way Valve Mouthpieces - INSPIRATORY	5x20	3122061
Disposable One-Way Valve Mouthpieces - INSPIRATORY	200	3122063
Disposable One-Way Valve Mouthpieces - INSPIRATORY	500	3122065
Paed Adaptor (For one-way valve)	1	3122049
Paed Adaptor (For one-way valve)	20	3122120
Universal Adult Sterilizable Mouthpieces	1	3103051
Universal Adult Sterilizable Mouthpieces	15	3103095
Universal Paed Sterilizable Mouthpiece	1	3104033



In-Check™ DIAL

Many patients do not use their inhalers correctly, failing to inhale at the correct flow rate. International asthma management guidelines call for inhaler review. In-Check DIAL enables the healthcare professional to coach patients to use their inhalers correctly. The In-Check DIAL measures peak inspiratory flow rate, and can be set to simulate the resistance characteristics of many common inhalers. Patients can be trained, using In-Check DIAL, to inhale at a flow rate known to be suitable for a particular type of inhaler.

Product Features and Benefits

- Individually calibrated to ensure accuracy
- Easy to clean by simple washing
- Resistance selector simulates common inhalers
- Use with one-way mouthpiece to minimise cross infection
- Describes correct technique for each inhaler and clinically effective range
- Shows the flow rate achieved alongside a scale showing clinically effective flow ranges for different types of inhalers

What is this Product Used for?

The In-Check DIAL is used for inhaler review to coach patients, helping to improve their inhaler technique.

Part Codes

In-Check DIAL 5 T&S:	3109969
In-Check DIAL (without information scale):	3109900
In-Check DIAL (with information scale):	3109910
In-Check Inhaler Assessment Kit:	3109760

Available in different configurations to correlate with local availability of particular inhalers. For more information, please visit: www.clementclarke.com/products/in-check-dial

Product Suitability

Hospital

Clinic



In-Check DIAL
with Mouthpiece

Engineered for Life

In-Check™ Nasal

The In-Check Nasal is a portable Inspiratory Flow Meter, which measures nasal passage obstruction; this helps to indicate whether the patient is suffering from allergic rhinitis, which causes discomfort to sufferers. The In-Check Nasal measures nasal inspiratory flow between 30 - 370 L/min. This product enables the physician to judge the degree of obstruction and helps assess the benefits of therapeutic intervention, by providing an objective assessment of nasal airway patency.

Product Features and Benefits

- Measures inspiratory flow through the nose
- Accurate assessment of nasal congestion
- Individually calibrated to ensure accuracy
- Lightweight and easy to use
- Portable
- Can be used during assessment of allergic rhinitis

What is this Product Used for?

The In-Check Nasal offers an inexpensive alternative to Rhinomanometry, and is a simple device that measures nasal passage obstruction.

Part Codes

In-Check Nasal with Medium Mask:	3109751
Small Mask (1):	3109756
Medium Mask (1):	3109753



Product Suitability

Hospital
✓

Clinic
✓

In-Check Nasal
with Mask



In-Check™ Oral

The In-Check Oral is a portable Inspiratory Flow Meter, which measures the changes in lung function. The In-Check Oral measures inspiratory flow between 30 - 370 L/min, a reading taken from the mouth. One-way valve mouthpieces are available to help minimise cross infection.

Product Features and Benefits

- Measures inspiratory flow through the mouth
- Suitable tool for screening COPD
- Individually calibrated to ensure accuracy
- Lightweight and easy to use
- Readings can be taken on the move

What is this Product Used for?

Inspiratory flow is considered by a number of physicians to be a sensitive marker for bronchodilator efficacy screening in COPD.

Part Codes

In-Check Oral: 3109750



Product Suitability

Hospital

Clinic

In-Check Oral
with Mouthpiece



6. Mucus Clearance

Mucus secretion and clearance are extremely important for airway integrity and pulmonary defence. If trapped mucus is not cleared, it not only makes breathing difficult, if allowed to build up it can lead to infection and damage to the lungs.

In addition to conditions such as cystic fibrosis, emphysema, chronic bronchitis and COPD, the Flutter is also suitable for bronchiectasis. Bronchiectasis is a permanent abnormal widening in one or more of the airways. Mucus tends to form and pool in parts of the airways that are widened, thus resulting in discomfort and potential infection.

Recently published guidelines for the treatment of non-CF Bronchiectasis have identified a role for Mucus Clearance devices, such as the Flutter.

Flutter™

The Flutter is a small, lightweight mucus clearance device that requires no power and can be used anywhere at anytime. The Flutter works by the patient exhaling into the device, this causes the ball bearing inside the casing to vibrate. The vibrations travel back into the lungs, these vibrations loosen the mucus in the airways. Gentle coughing then removes the mucus. Sessions normally last between 5 and 15 minutes. The Flutter is an effective alternative to physiotherapy.

Product Features and Benefits

- Small, portable device
- Low cost, effective option for mucus clearance
- Short sessions required for maximum effectiveness
- Easy to clean, by simple washing

What is this Product Used for?

The Flutter is used for conditions such as:

- Cystic Fibrosis
- Bronchiectasis
- Emphysema
- Chronic Bronchitis
- COPD

Part Code

Flutter: 3102000

Warning: Do not use if patient suffers from any of the following:

- Acute rightsided heart failure
- Pneumothorax
- Severe TB
- Coughing up blood (haemoptysis)

Product Suitability

Hospital ✓

Clinic ✓

Home ✓

Travel ✓



Flutter



7. Spacer

Spacers are designed to assist with metered dose inhaler (MDI) aerosol medication delivery and aim to improve inhaler technique by increasing the amount of medication that is inhaled. Such devices are particularly useful for:

- Patients with poor inhalation technique
- Children
- Patients requiring higher doses
- Sufferers of nocturnal asthma
- Patients prone to develop candidiasis (oral thrush)

GlowCap

The GlowCap offers a solution for millions of asthma patients who wake up in the night needing their inhaler urgently. The GlowCap gives off a gentle glow so the patient can be sure to find their inhaler if they have a night time asthma attack.

Part Code:

GlowCap:

3607066

Product Suitability

Hospital
✓

Clinic
✓

Home
✓

Travel
✓



GlowCap
with Inhaler

Able Spacer™

A discreet, compact, small volume spacer, which effectively improves inhaled drug delivery in both children and adults. Ideal for people on the move. By providing space between the inhaler and mouth, Able Spacer reduces the velocity of the aerosol and subsequently impaction on the oropharynx. It allows more time for evaporation of the propellant so that a larger proportion of the drug can be inhaled and deposited in the lungs; improving drug delivery and increasing treatment efficiency.

Product Features and Benefits

- Universal fitting; accepts all metered dose inhalers (MDI)
- Helps patients with poor inhaler co-ordination
- Built-in coaching whistle enables patients to know when they are inhaling too quickly
- Easy inhaler storage; inside chamber
- Detachable mask available in small, medium or large
- Assists in drug delivery to the lungs
- Easy to use
- Suitable for both children and adults

What is this Product Used for?

The Able Spacer is designed to help patients with poor inhaler co-ordination. This product is particularly useful for patients who are prone to develop candidiasis with inhaled corticosteroids.

Part Codes

Able Spacer in a box:	3607000
Able Spacer in a poly bag:	3607004
Able Spacer with a Small Mask:	3607047
Able Spacer with a Medium Mask:	3607048
Small Silicone Mask:	3607005
Medium Silicone Mask:	3607006
Large Silicone Mask:	3607007

Product Suitability

Hospital ✓

Clinic ✓

Home ✓

Travel ✓



Able Spacer

Technical Specifications - Spirometry

Tester Screen Technical Specifications:

Dimensions:	114x98x44mm
Weight:	150g (w/o batteries)
Accuracy:	20°C 1013 mbar 50% RH FEV ₁ ± 3% or ± 0.1 L PEF ± 6% or ± 10 L/min
Measurement Range:	FEV ₁ 0.60-9.95 L PEF 60-995 L/min
Resolution:	FEV ₁ 0.05 L PEF 5 L/min
Altitude Coefficient:	0.62% per 100 metres
BTPS Coefficient:	4%
Detection Mode:	Differential Pressure
Use:	+15°C to +30°C (recommended) 25% to 85% RH
Storage:	-10°C to +60°C 10% to 95% RH
Predicted Values:	ERS 93 (For ages 18-70yrs) Knudson (For ages 9-18yrs)

FVC Screen Technical Specifications:

Dimensions:	114x98x44mm
Weight:	150g (w/o batteries)
Accuracy:	20°C 1013 mbar 50% RH FVC ± 5.5% or ± 0.1 L FEV ₁ ± 3% or ± 0.1 L PEF ± 6% or ± 10 L/min
Measurement Range:	FVC 0.20-9.95 L FEV ₁ 0.20-9.95 L PEF 20-995 L/min
Resolution:	FVC 0.05 L FEV ₁ 0.05 L PEF 5 L/min
Altitude Coefficient:	0.62% per 100 metres
BTPS Coefficient:	4%
Detection Mode:	Differential pressure
Use:	+15°C to +30°C (recommended) 25% to 85% RH
Storage:	-10°C to +60°C 10% to 95% RH
Predicted Values:	ERS 93 (For ages 18-70yrs) Knudson (For ages 9-18yrs)

Tester Memo Technical Specifications:

Dimensions:	114x98x44mm
Weight:	150g (w/o batteries)
Accuracy:	20°C 1013 mbar 50% RH FEV ₁ ± 3% or ± 0.1 L PEF ± 6% or ± 10 L/min
Measurement Range:	FEV ₁ 0.60-9.95 L PEF 60-995 L/min
Resolution:	FEV ₁ 0.05 L PEF 5 L/min
Altitude Coefficient:	0.62% per 100 metres
BTPS Coefficient:	4%
Detection Mode:	Differential pressure
Use:	+15°C to +30°C (recommended) 25% to 85% RH
Storage:	-10°C to +60°C 10% to 95% RH
Memory Storage:	120 PEF & 120 FEV ₁
Software Requirement:	Windows 95 or Later

FVC Memo Technical Specifications:

Dimensions:	114x98x44mm
Weight:	150g (w/o batteries)
Accuracy:	20°C 1013 mbar 50% RH FVC ± 5.5% or ± 0.1 L FEV ₁ ± 3% or ± 0.1 L PEF ± 6% or ± 10 L/min
Range:	FVC 0.20-9.95 L FEV ₁ 0.20-9.95 L PEF 20-995 L/min
Resolution:	FVC 0.05 L FEV ₁ 0.05 L PEF 5 L/min
Altitude Coefficient:	0.62% per 100 metres
BTPS Coefficient:	4%
Detection Mode:	Differential pressure
Use:	+15°C to +30°C (recommended) 25% to 85% RH
Storage:	-10°C to +60°C 10% to 95% RH
Predicted Values:	ERS 93 (For ages 18-70yrs) Knudson (For ages 9-18yrs)
Memory Storage:	120 PEF & 120 FEV ₁
Software Requirement:	Windows 95 or Later

Technical Specifications - Peak Expiratory Flow

eMini-Wright Technical Specifications:

Dimensions:	38x19x44mm
Weight:	43g
Measurement Range:	PEF 60-840 L/min
Accuracy:	PEF 5% or 10 L/min
Resolution:	PEF 5 L/min
Max. Resistance to Flow:	<2.5kPa/L/s@10L/s <3.5kPa/L/s@14L/s
Zoning Thresholds:	Green/Yellow 80% Yellow/Red 50%
Memory Storage:	240 PEF
Power:	Lithium coin CR2302
BTPS:	Values displayed are shown as BTPS values

Mini-Wright Digital Technical Specifications:

Dimensions:	114x44x29mm
Weight:	54g
Measurement Range:	PEF 60-850 L/min FEV ₁ 0.60-8.00 L
Accuracy:	PEF ± 6% or 10 L/min FEV ₁ ±3.5% or 0.10 L
Resolution:	PEF 5.0 L/min FEV ₁ 0.05 L
Max. Resistance to Flow:	<2.5cm H ₂ O/L/s below 14 L/s (0.25 kPa@840 L/min)
Zoning Thresholds:	Green/Yellow 80% Yellow/Red 50%
Memory Storage:	240 PEF, 240 FEV ₁
Power:	One 3V coin cell (not replaceable or rechargeable)
BTPS:	Values displayed are shown as BTPS values

Quality Assurance

Clement Clarke have been assessed and certified as meeting the requirements of ISO9001, for the following activities; the design, manufacturing, service and repair of lung function meters, oxygen delivery systems, nebuliser systems, test equipment and fixtures for nebulisers.

Clement Clarke have also been assessed and certified as meeting the requirements of ISO13485, for the design and manufacture of peak flow meters and spirometers.

Clement Clarke also fully meet the requirements of the Medical Device Directive 93/42/EEC.

Such accreditations highlight the fundamentals of quality management systems that Clement Clarke have in place, which reflects the high quality of standard across all products and services.





Part Code: 1903031 | Issue 3 05/11

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