

ACCOSON™ Product Brochure

ACCOSON

Accuracy in Diagnostics since 1859

Known for our quality and accuracy, ACCOSON™ provide high grade sphygmomanometers for clinical professionals worldwide.



British
Manufacturer

Introducing the **greenlight 300** sphygmomanometer our gold standard.



The greenlight 300 is a direct replacement to mercury and aneroid sphygmomanometers.

The gold standard, +/- 3mmHg accuracy Sphygmomanometer.

The device will automatically self calibrate and is proven to be even more accurate than mercury.

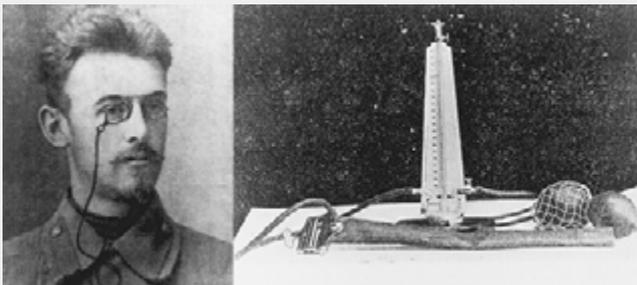
The greenlight 300 is approved by the British Hypertension Society



In 1904, ACCOSON™ produced their first glass manometer known as the sphygmomanometer and a year later, Russian surgeon Nikolai Korotkoff first described the technique to measure diastolic pressure.

Using a stethoscope, he identified blood flow sounds now known as “Korotkoff sounds” observed while the cuff is inflated and deflated.

Since then the basic working principles of measuring systolic and diastolic blood pressure have remained unchanged. A long history of innovation from the origination of sphygmomanometers has made ACCOSON™ a leader in quality and accuracy with continued success in modern blood pressure measurement.



Left: Nikolai Korotkov

Right: Nikolai Korotkov's Sphygmomanometer

greenlight 300

The greenlight 300 has been developed to provide a reliable and accurate alternative to mercury devices. This is achieved using silicon chip technology replacing the traditional mercury column with an electronic pressure detection system.

Overcoming problems associated with other types of sphygmomanometer: The greenlight 300 is non-toxic, robust and importantly, automatically self-calibrates to zero when switched on, thus ensuring reliable accuracy.

The traditional mercury display is replaced with LEDs clearly displaying pressure in steps of 2 mmHg, and the clinically important cuff pressure deflation rate is indicated.

Shown to be compliant with the US standard for non-automated sphygmomanometers, ANSI/AAMI SP9:1994, and has been approved by the FDA (K040410). It has also been shown to be compliant with the European standards EN1060-1, EN1060-2 and EN1060-3.



Validated to the ESH International Protocol by the Mayo Clinic, the greenlight 300 is also sold as a test reference manometer for calibrating and checking aneroid devices – chosen by leading pharmaceutical companies for their testing services in the UK.

- 10 Year calibration warranty as standard
- Proven to be more accurate than mercury¹
- Very long battery life of up to 170 hours
- Frequent calibration checks not required
- Displayed cuff deflation rate
- Latex free inflation system & coiled tubing
- Approved by the British Hypertension Society

Stand Model fitted with Stand Conversion Kit

- A large container for the cuff and tubing on which the greenlight 300 is fitted
- Gauge set at an angle for easy viewing
- A mounting stem with adjustable height, with five castors for mobility and stability

Wall model fitted with Wall Conversion Kit

- A swivel mounting bracket which allows the instrument to pivot, ensuring the display can be easily viewed.
- The cuff can be stored securely behind the instrument gauge

1. *Graves JW et al. The Accoson Greenlight 300, the first non-automated mercury free blood pressure device to pass the International Protocol for blood pressure measuring devices in adults. Blood Pressure Monitoring 2003;9:13-7*

Code	Product Description
0702A	GL300 Adult Ambidex Cuff
0702CA	GL300 Adult Ambidex Cuff/Click300
0709A	GL300 Large Adult Ambidex Cuff
1772	Wall Conversion Kit
1774	Stand Conversion Kit
1775	Protective Carry Case with Zipper

Six⁰⁰ Series of Aneroid Sphygmomanometers

Our premium range of quality aneroid sphygmomanometers

The Sensitivity and specificity help to classify an individual as hypertensive or normotensive

- Made in UK and guaranteed accuracy to ISO 81061-1
- Lightweight ABS cuff container which is very easy to clean
- New flexible shock mount resists any damage to the gauge
- Fine red pointer ensures consistently precise indication
- Clear white face with sharp black scale
- Range 0–300mmHg, with scale graduations from zero
- Fitted with Ambidex velcro, latex free cuff
- Tough bright white ABS construction with built in carrying handle



Code	Product Description
0632A	Desk Six ⁰⁰ with Adult Ambidex Cuff
0642A	Wall Six ⁰⁰ with Adult Ambidex Cuff
0662A	Stand Six ⁰⁰ with Adult Ambidex Cuff

6inch Series of Aneroid Sphygmomanometers

Offering the clinician the highest quality at an affordable price. A modern solution for all locations with innovative and practical features.

- Made in UK and guaranteed accuracy to ISO 81061-1
- Fitted with ambidex velcro, latex free cuff
- Range 0–300mmHg, with scale graduations from zero
- New flexible shock mount resists any damage to the gauge
- Clear white face with sharp black scale
- Fine red pointer gives precise indication
- Tough bright white ABS construction with built in carrying handle
- Lightweight ABS cuff container which is very easy to clean



Code	Product Description
0332A	6inch Desk with Adult Ambidex Cuff
0342A	6inch Wall with Adult Ambidex Cuff
0362A	6inch Stand with Adult Ambidex Cuff

Portable Aneroid Sphygmomanometers

Our range of smaller, lighter, robust yet easily portable aneroid sphygmomanometers

Allowing you to meet the requirements of each of your patients in almost any environment and situation.

- Made in UK and guaranteed accurate to ISO 81061-1
- Range 0–300mmHg, with the scale graduations starting at zero
- Clear white face with fine pointer which allows for precise indication
- One handed use, suitable for both left and right hands
- Aneroid (mechanical), devices don't use mercury but provide accurate results when calibrated.
- Smaller, lighter and easily portable
- Fitted with Ambidex anti-microbial cuff, with our own unique soft edges
- Capable of withstanding 100% overpressure
- Supplied complete with a protective, soft zipper case



Code	Product Description
0322A	Duplex with Adult Ambidex Cuff
0292A	Limpet with Adult Ambidex Cuff
0312A	Pocket with Adult Ambidex Cuff

Pressure Infusion Cuff

The ACCOSON™ latex free cuff made to aid rapid IV infusion

Our Pressure Infusion Cuff is an inflatable device to aid rapid IV infusion. It has the following features:

- Made in the United Kingdom
- Large scale accurate pressure gauge
- Gauge protector
- Strong fine mesh front
- Infusion cuff includes inflation bulb with a release valve
- Completely latex free
- Components available as spare parts



Code	Product Description
0210	1 Litre Pressure Infusion Cuff
0205	0.5 Litre Pressure Infusion Cuff

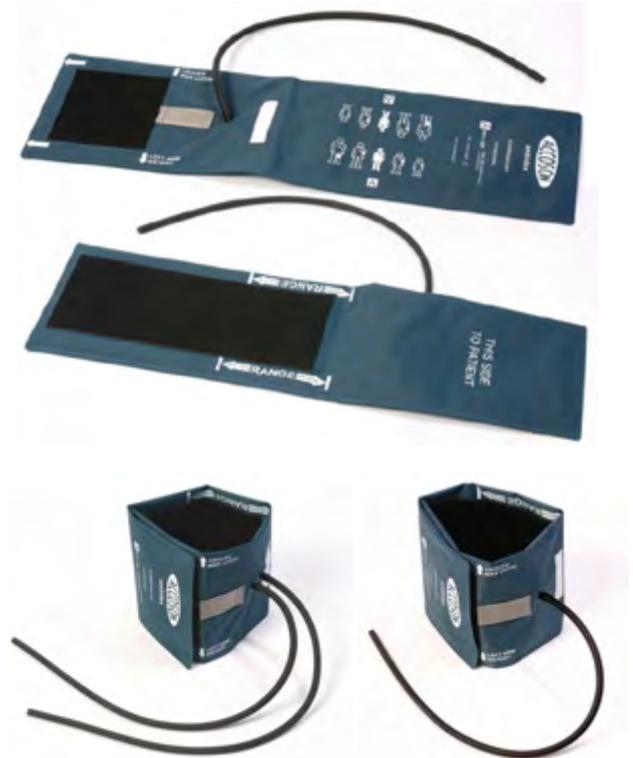
Ambidex Innovative blood pressure cuffs

One-piece cuffs developed to be easy to use, clean, multi-purpose and cost-effective

Our Ambidex cuffs features a unique soft edge which replaces the weld found on other cuffs, ensuring equal comfort for the patient, whether used on right or left arm.

The bladder-less blood pressure cuffs can be used as a regular cuff, or for single patient use, and carries a white panel on which a patient's name or the cuff location details can be recorded.

- Unique Ambidex comfort edge
- Cuff can be used on either left or right arm
- Inlet tube positioned in the centre of the cuff face frees space for the stethoscope and keeps tubing on the outside of the arm
- Cuff Range and artery position indicator can be read when cuff is on either arm
- Full range of sizes based on British Hypertension Society's recommendations
- Completely latex free
- Panel for single patient or cuff identification if required
- Tab for aneroid gauge, which can also be used as a tube tidy
- Easily cleaned and antimicrobial treated



Code	Product Description
1296	Single Tube Infant (13–19cm)
1286	Double Tube Infant (13–19cm)
1294	Single Tube Child (18–25cm)
1284	Double Tube Child (18–25cm)
1290	Single Tube Adult (24–35cm)
1280	Double Tube Adult (24–35cm)
1293	Single Tube Large Adult (34–46cm)
1283	Double Tube Large Adult (34–46cm)
1298	Single Tube Thigh (45–60cm)
1288	Double Tube Thigh (45–60cm)

Cuff Sizing

Inappropriate cuff size can result in incorrect readings. Using a small cuff may result in erroneously high blood pressure readings, while a larger cuff may give out erroneously low blood pressure readings.

The inflatable part of the cuff should cover at least 80% of the circumference of the patient's upper arm. ACCOSON™ have a full range of cuff size variants available to order, we are also able to manufacture specialised cuff sizes on request.





greenlight 300

ACCOSON™ Greenlight 300 Awards

Our newly developed type of manual sphygmomanometer, created to provide a reliable and accurate alternative to mercury devices, the current gold standard in blood pressure measurement:

1. A Department of Trade and Industry, UK award for the successful transfer of innovative technology. This was following the collaboration between AC Cossor & Son, the Regional Medical Physics Department of Freeman Hospital and the University of Newcastle in the UK
2. A UK National Health Service (NHS) Innovations North Special Exploitation Award for the innovation and successful development of a device for use in the NHS

Established in 1859

The company has its history in the glass blowing industry, producing a wide range of medical and laboratory equipment.

Founded by Alfred Charles Cossor in 1859, the ACCOSON™ brand has built a trusted reputation for quality which spans over 150 years.



Contact Us

+44 (0) 1279 433456
sales@accoson.com
www.accoson.com

A.C. Cossor & Son (Surgical) Ltd.
Greig House, Annickbank Campus
Irvine, KA11 4LF

Our products are manufactured to the accuracy requirements of the current European Standard under the UK Quality Assurance standard

We are proud of our ability to deliver products that meet USA and European error standards.