



MANUFACTURED
IN THE UK



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PRODUCT BROCHURE

Manufacturing high quality diagnostic devices for
clinical professionals since 1859.



ACCOSON™ history

The Company was established as A. C. COSSOR & Son in 1859 by *Alfred Charles Cossor* as a glass blower.

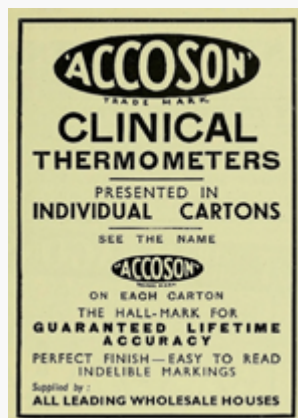
In 1904, ACCOSON produced their first glass manometer, using their glass blowing skills, known as the sphygmomanometer.

A year later, Russian surgeon *Nikolai Korotkoff* first described the technique to measure diastolic pressure.

The business has since passed over four generations, before more recently joining the HCE Medical Group.



1923 A.C. Cossor Advert



1935 'ACCOSON' Advert

Greenlight 300 awards

We are proud to have won two awards for the creation of this device:



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 designed for use in the NHS

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 BS EN ISO 81060-1 and BS EN 1060-3.

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
- Available in green or white casing with desk, wall or mobile roll stand

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

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



AWARD WINNING PRODUCT

Code	Product Description
0702AW	White Greenlight Design Model
0702A	Green Greenlight Design Model
0709A	Desk Greenlight with Lrg Adult Cuff
1774	Stand Conversion Kit
1775	Protective Carry Case with Zipper

Six⁰⁰ Series of Aneroid Sphygmomanometers

Our premium range of high quality aneroid sphygmomanometers.

This robust product range is designed to last with an enhanced protective enclosure.

- Made in UK and guaranteed accuracy to ISO 81060-1
- 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
- Desk model includes a carry handle
- Tough bright white ABS construction with built in carrying handle
- Range 0–300mmHg, with scale graduations from zero
- Supplied with a 3 year calibration warranty



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

6 Inch Series of Aneroid Sphygmomanometers

Offering the clinician great quality at an affordable price.

A modern solution for all locations with useful, practical features for users.

- Made in UK and guaranteed accuracy to ISO 81060-1
- 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
- Range 0–300mmHg, with scale graduations from zero
- Tough bright white ABS construction with built in underlip handle
- Supplied with a 1 year calibration warranty



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



Code	Product Description
0292A	Limpet with Adult Ambidex Cuff



Code	Product Description
0312A	Pocket with Adult Ambidex Cuff



Code	Product Description
0322A	Duplex with Adult Ambidex Cuff
0322AB	Blue Duplex with Adult Ambidex Cuff
0322AB	Red Duplex with Adult Ambidex Cuff

Portable Aneroid Sphygmomanometers

Our portable series is a range of aneroid sphygmomanometers offering smaller, more lightweight devices which are the perfect transportable option for clinicians looking to aid patients across a variety of environments and settings.

This range of sphygmomanometers allow you to meet the requirements of each of your patients in almost any environment and situation. These are the perfect solution when on-the-go.

These portable aneroid (mechanical) devices don't use mercury but provide accurate results when calibrated correctly.

Each sphygmomanometer from this range is supplied complete with an ACCOSON™ ambidex cuff as well as a soft zipper case, helping to protect the device when in transit.

- Made in UK and guaranteed accuracy to ISO 81060-1
- Three variations available to ensure your requirements are met
- 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
- The ideal option for use on-the-go
- Capable of withstanding 100% overpressure
- Supplied complete with a soft, black protective zipper case
- Duplex model available in standard black or as blue/red to allow for easy identification of department/user

Pressure Infusion Cuff

Our latex free infusion cuff is made to aid rapid IV infusion with an integrated gauge and handbulb.

- Made in 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

Combine Self Test

Accurate aneroid sphyg combined with integrated stethoscope for self testing.

- Made in United Kingdom
- Guaranteed accurate to ISO 81060-1
- One-handed use, suitable for right/left
- Range 0-300mmHg
- Includes integrated stethoscope
- Supplied with adult velcro cuff, bulb & case



Code	Product Description
400	Combine Self Test

Single Patient Cuffs

Disposable blood pressure cuffs, for single patient use.

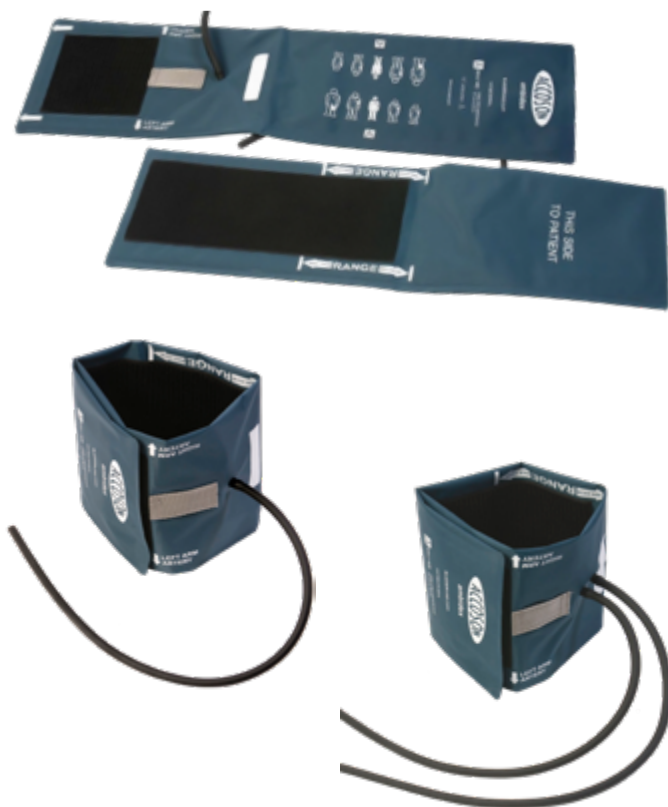
Support infection control in your clinic by utilising these single patient use cuffs.

Specifically designed for use with the ACCOSON™ sphygmomanometer range.

- Completely Latex Free
- Specifically designed as single patient use
- Cuffs are available in either single or double tube
- Suitable for use with all ACCOSON™ sphygmomanometers
- Supplied in a pack of 10 cuffs



Code	Product Description
1291SPU	Single Tube Infant (13.5–19.5cm)
1281SPU	Double Tube Infant (13.5–19.5cm)
1294SPU	Single Tube Child (18–27.2cm)
1284SPU	Double Tube Child (18–27.2cm)
1290SPU	Single Tube Adult (26–35cm)
1280SPU	Double Tube Adult (26–35cm)
1293SPU	Single Tube Lrg Adult (34.3–51cm)
1283SPU	Double Tube Lrg Adult (34.3–51cm)
1298SPU	Single Tube Thigh (40.6–66.5cm)
1288SPU	Double Tube Thigh (40.6–66.5cm)



Ambidex Innovative blood pressure cuffs

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

Features a unique soft edge which replaces the weld found on other cuffs, ensuring equal comfort for the patient.

These bladderless blood pressure cuffs can be used as a regular cuff, or for single patient use. Each 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 notes 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 Lrg Adult (34–46cm)
1283	Double Tube Lrg 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.



Cardiology Stethoscope

The Cardiology Stethoscope offers medical professionals one of the highest quality stethoscopes available on the market.

Manufactured from the finest stainless steel, with dual tunable diaphragm

- Made in UK
- Adult and convertible paediatric chestpiece for optimum acoustic sensitivity
- Dual tunable diaphragm for monitoring high and low frequencies
- Extra adult bell for low frequency response
- The chestpiece is precisely machined to exacting tolerance from surgical stainless steel for outstanding performance
- Available in your preferred choice of three tubing colours
- Space alloy binaural assembly with dual lumen tubing
- Non-chill ring provides patient comfort
- Silicon soft-sealing eartips
- Overall length 700 mm.



Code	Product Description
CST-BL	Black Tube Stethoscope
CST-HG	Green Tube Stethoscope
CST-BR	Burgundy Tube Stethoscope

Physician Stethoscope

Offering rugged durability combined with high acoustic response.

Our Physician stethoscope is the perfect choice for both hospital doctors and GPs.

- Made in UK
- Superior acoustic response and rugged durability
- The chestpiece is precisely machined to exacting tolerance from surgical stainless steel for outstanding performance
- Available in your preferred choice of three tubing colours
- This stethoscope is supplied in a foam lined box with two extra sets of soft sealing eartips and one diaphragm
- Overall length 770 mm



Code	Product Description
PST-BL	Black Tube Stethoscope
PST-NB	Blue Tube Stethoscope
PST-BR	Burgundy Tube Stethoscope



Nursing Stethoscope

Lightweight, economical stethoscope ideally used by nurses.

Offering an effective and elegant solution for all day-to-day nursing needs.

- Made in UK
- Extra fine acoustic response and light design for extraordinary comfort
- The adult chestpiece has been precisely machined to exacting tolerance from aluminium
- Double leaf internal spring binaurals are fixed at 15° angle for comfortable ear fit
- Available in your preferred choice of three tubing colours
- This stethoscope is supplied with an extra set of soft sealing eartips and diaphragm
- Overall length 770 mm



Code	Product Description
NST-BL	Black Tube Stethoscope
NST-NB	Navy Blue Tube Stethoscope
NST-BR	Burgundy Tube Stethoscope

Non-contact Thermometer

Gentle, non-invasive & accurate measurement of body temperature

Simple to use thermometer offers a stable, heat-interference-free reading

- Made in UK
- Designed for the periodic measurement and monitoring of body temperature
- Also capable of measuring both ambient and surface temperatures (eg. Baby's milk)
- Accuracy is confirmed by the device's self-test routine when switched on
- Offers a wide range of measurement from 0.1–99.9°C (32.2–211.8°F)
- Recall the last 30 readings with both time and date when entering the recall mode
- Fever alarm gives 10 short beeps and a red LCD backlight alert of high temperature
- Unique probe assembly construction incorporates an advanced infrared sensor, ensures accuracy and reliability of readings



Code	Product Description
AC500	Non-contact Thermometer

Audiometers

Small, lightweight and easily portable devices for hearing screening.

Ideal for Occupational Health nurses or technicians to use, these audiometers provide the testing capability required for workplace industrial screening.

SA-90 Audiometer

- Simple & easy to use
- Intensity range (-10dB to +90dB)
- Automatic HSE categorisation of results
- USB linked and powered
- Hearing loss prediction capabilities

SA-110 Audiometer

- Automatic test routines in line with British Society of Audiology
- Wide intensity range (-10dB to +110dB)
- Audiograms can be stored locally on your PC or in a network location
- Recall of stored results to screen for comparison with current test
- Adaption of test protocol to suit patient and operator



Code	Product Description
SA-90	Portable Screening Audiometer
SA-110	PC-Based Screening Audiometer

Medical Examination Lighting

An upcoming addition for ACCOSON is our selection of examination lights.

- Available with a choice of different arm configurations
- Light intensity is easily adjustable through a simple touch panel control
- LED lighting with high colour rendering
- Absolute freedom of movement with either flex or articulated arm to achieve the best position
- Ergonomic handle integrated for maximum comfort and adaptation
- Available in a choice of mounting options to suit individual requirements



COMING SOON...



ACCOSON™ Tourniquets

Our range of elastic tourniquets

Quick release tourniquet for use by a medical professional or first aider in applications. Manufactured in the EU.

CBC Elastic Tourniquet with Buckle

- Completely latex free
- 4 colour options (blue, red, green, grey)
- Sturdy safety buckle closure
- Easy to apply and remove without discomfort to the patient

Tourniquet with Velcro Closure (Navy only)

- Extremely durable at 14 inch in length
- Easy to apply and remove without discomfort to the patient

Code	Product Description
1398	CBC Elastic Tourniquet with Buckle
1399	Navy Blue Velcro Tourniquet

Servicing & Repairs

Being able to rely on our equipment through continued use with your patients is integral for medical devices.

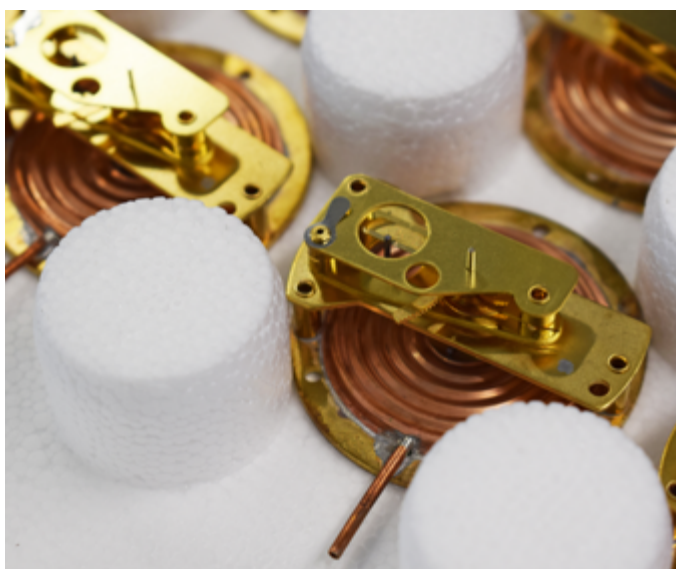
You can put your trust in us to assist in maintaining ACCOSON devices and ensure they are always in the best condition for use.

Leave it to us to service your equipment properly to help give your devices a longer working life.

- Utilise the expertise of the original device manufacture
- Maximise the working life of your equipment
- All parts will be replaced with OEM replacements
- Ensure devices are continually accurate
- We are able to provide a full range of OEM spare parts

Contact our helpful customer service team for assistance with any servicing and repairs:

SALES@ACCOSON.COM





Our company accreditations include:

- EC Certification 93/42/EEC
- Registered Quality Assured firm under ISO13485:2016



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V3.0

ACCOSON™

+44 (0) 1279 433456

sales@accoson.com

www.accoson.com

A.C. Cossor & Son (Surgical) Ltd.
Greig House, Annickbank Campus
Annick Road, Irvine, Ayrshire
KA11 4LF, United Kingdom