<table>
<thead>
<tr>
<th>dopplers</th>
<th>87 - 96</th>
</tr>
</thead>
<tbody>
<tr>
<td>probes</td>
<td>88</td>
</tr>
<tr>
<td>dopplers</td>
<td>89, 91, 94 - 96</td>
</tr>
<tr>
<td>dopplex software</td>
<td>90</td>
</tr>
<tr>
<td>automatic ABI</td>
<td>90, 92 - 93, 96</td>
</tr>
<tr>
<td>doppler kits</td>
<td>91</td>
</tr>
</tbody>
</table>
Dopplex probes

With over 30 years’ experience in vascular assessment our latest technological innovations have enabled us to develop a new digital platform for our latest range of Dopplers. Designed to improve efficiency and effectiveness in clinical diagnosis, the DMX offers unrivalled value and quality.

Our bi-directional waveform is uniquely generated from the digital Doppler spectrum. This gives the clinician objective evidence to assist in the diagnosis of vascular disease that other Dopplers may find difficult or impossible to achieve.

Our algorithms optimise the presentation of waveforms and enhance the quality of sound using our unique Dynamic Digital Noise Reduction (DDNR) system and gel filter. Doppler sound recording and playback is just one of the many new features in this state of the art digital Doppler unit.

The new XS high sensitivity probes are individually fine-tuned and tested to ensure consistently high performance and produce sound and sensitivity that gives the user clarity and accuracy like no other Doppler.

- VP4-XS (DOP610): 4MHz vascular probe is perfect for detection of deep lying vessels
- VP5-XS (DOP611): 5MHz vascular probe is used for oedematous limbs and deep lying vessels. An ideal probe as an adjunction to the EZ8 for ABPI measurements
- VP8-XS (DOP612): 8MHz vascular probe is ideal for easier detection of peripheral vessels and calcified arteries
- VP10-XS (DOP613): 10MHz vascular probe is perfect for detecting smaller vessels in specialist superficial applications
- EZ8 (DOP614): 8MHz widebeam vascular probe allows easy location of vessels. Very easy to maintain vessel contact during inflation and deflation
- OP2-XS (DOP615): 2MHz fetal probe offers enhanced performance in second and third trimester pregnancy
- OP3-XS (DOP616): 3MHz fetal probe for use in pregnancy from as early as 8–10 weeks gestation

<table>
<thead>
<tr>
<th>Probe Code</th>
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<th>Description</th>
<th>Price</th>
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<tr>
<td>DOP610</td>
<td>4MHz</td>
<td>vascular probe</td>
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<tr>
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<td>5MHz</td>
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<tr>
<td>DOP616</td>
<td>3MHz</td>
<td>fetal probe</td>
<td>£245.00</td>
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</table>
Introducing the Dopplex DMX digital doppler, designed to improve performance in the vascular assessment of arterial disease (PAD), diabetic foot and wound management.

New features include:
• Doppler & arterial PPG waveforms displayed on high resolution colour screen
• Improved audio with dynamic digital noise reduction and gel filter
• Waveform and sound storage to store and playback patient tests
• Connectivity & communications via USB and Bluetooth to software package
• Specially designed for high performance probes
• Rechargeable option to reduce running costs

Dopplex ATP

The Ankle and Toe Pressure (ATP) kit is a unique combination of DMX doppler, probes and accessories, providing the vascular, diabetic or lymphatic specialist with a system to aid the assessment of arterial disease and neuropathy.

Our lightweight Arterial Plethysmography (PPG) probe easily attaches to the DMX Doppler unit by simply swapping your Doppler probe with its adaptor. Arterial systolic pressure can be rapidly measured in patients with non-compressible arteries and can be repeated on the arms to determine the TBI.

The ATP kit includes:
• New DMX digital doppler (see above for full details)
• EZ8xs widebeam 8MHz doppler probe
• Recharging kit
• PPG probe and adaptor
• Toe cuffs & inflator
• Arm/ankle cuffs (latex free)
• Trigger operated sphyg
• Neuropen & box of tips
• Educational CD
• Gel

Probe not included – please select from the range on page 88
Dopplex ABI

The Ankle Brachial Index (ABI) kit is a unique combination of DMXR doppler, doppler probes, and cuffs which provides the wound care or vascular specialist with a system to help in the assessment of arterial disease prior to bandaging.

Doppler waveforms can be stored on the internal memory and reviewed at any time. Alternatively the waveforms can be transferred to the DR5 software package for archiving, reviewing and printing of reports.

The ABI kit includes:
- New DMX digital doppler (see previous page for full details)
- EZ8xs wide beam 8MHZ doppler probe
- VP5xs high sensitivity doppler probe for deep vessels and oedematous limbs
- Recharging kit
- Trigger operated sphyg
- Large and small arm/ankle cuffs (latex free)
- Educational CD
- Gel

Dopplex DR5 Lite software package

Dopplex DR5 Lite is a unique vascular reporting software package for use in conjunction with the Dopplex DMX.

It allows real time visualisation of waveforms on a PC. An unlimited number of traces can be transferred and stored for reviewing, archiving and printing.

Key features include:
- Displays doppler colour spectral waveforms in real time
- Replay of doppler waveforms and flow separated sounds
- An integral database for patient data storage and doppler sound files
- The facility to package tests together and email for review
- Storing an unlimited number and length of traces per session
- A PDF generator enables the final reports to be saved and transferred to an external EPR system
- Calculate doppler indices and flow rate

Easy upgrade
- A database conversion program for DR3/4 data to be transferred to the database
The Dopplex D900 is an entry level, audio only, non-directional doppler, principally used for ABPI measurements by community nurses and doctors in their role of leg ulcer management.

- Clear audio sounds of blood flow
- Compatible with all XS high sensitivity vascular probes
- Large carry bag and gel
- Use with our EZ8 widebeam probe for easy location of brachial and pedal arteries

The Dopplex SD2 provides bi-directional vascular information to the vascular professional including the display of flow direction. It is ideal for clinical specialists wishing to conduct lower limb Doppler studies.

- Compatible with all XS high sensitivity vascular probes
- Provides bi-directional blood flow information
- Stereo audio output socket
- Large carry bag and gel
- Use with our EZ8 widebeam probe for easy location of brachial and pedal arteries

**Mini Dopplex D900**

DOP202 D900 £241.00

**Super Dopplex SD2**

DOP204 SD2 £378.00

**Maxi Dopplex MD200**

The MD200 desktop solution is ideal for clinicians requiring a robust, versatile and mains powered doppler unit. Compatible with the XS range of high sensitivity probes, providing bi-directional indication of blood flow direction.

- Mains/battery operation
- Robust design
- Probes are conveniently stored within the unit
- Enhanced battery power management
- Advanced bi-directional unit with printout capability
- LCD showing bi-directional flow, probe frequency and battery status
- Serial port for connection to the Dopplex Reporter software package
- Two speakers providing flow separated high quality stereo sound
- Ideal for measurement of ABPI and venous assessment in a clinic environment
- Now available with a locking pole stand

**DOP206 MD200 £710.00**
Dopplex ABIlity automatic ABI system

The Dopplex Ability offers a cost effective solution for the measurement of ABI while providing an immediate printout of results from the integral printer or optional DR4 software package.

Based on volume plethysmography technology, which is superior to other automatic systems using the oscillometric method, the ABIlity is able to detect low ankle Pressures in as low as 55mmHg and ABIs as low as 0.29 (Lewis, 2014).

The Dopplex Ability also excels over other ABI automated systems as it measures the blood pressures in both arms, using the patented two chamber cuffs, before utilising the higher pressure to calculate the ABI. This complies with current guidelines for ABI measurement and calculation published by NICE, ESC, TASC2 and AHA while automated systems which measure the pressure in one arm only, may miss or incorrectly classify cases of PAD.

Why invest

- Using Huntleigh dopplex ABIlity, rapid bi-lateral ABI measurements takes less than 5 minutes per patient without the need for a clinician
- 95% Accuracy when compared to Ultrasound Duplex imaging (Lewis et al, 2014)
- In a typical 3 hour surgery, 33 patients could be tested
- An average sized surgery could have up to 300 patients who are at risk to having PAD. Testing them with Dopplex ABIlity would have taken 25 hours in total vs 150 hours with the traditional method.

Pictorial evidence

International Guidelines (ESC, 2011) state that ABI should be undertaken on patients with suspected PAD as first line test and PVR waveforms as second line test. The Dopplex Ability printout provides both of these requirements on one unique printout to aid the clinician in their diagnosis.

HUNTLEIGH

...performance for life

Documentation/reporting

Dopplex Reporter 4 package enables automated ABI’s to be undertaken and saved in a patient database. It also provides full page documentation hard-copy printouts and PDF file capability for interfacing to electronic patient record systems.
DOP240 Dopplex ABility unit £2478.00
DOP24101 Fixing plate £19.00
DOP24102 Trolley (requires fixing plate) £315.00
DOP24201 Adult cuff kit (22 – 36cm) £234.00
DOP24202 Large cuff kit (34 – 46cm) £255.00
DOP24301 Carry bag £60.00
DOP24302 Infection control sleeve £19.00
DOP24303 Standard paper, pack of 5 £21.00
DOP24304 Label paper, pack of 5 £35.00
DOP24401 Large adult right arm cuff (34 – 46cm) £64.00
DOP24402 Large adult right ankle cuff (34 – 46cm) £64.00
DOP24403 Large adult left arm cuff (34 – 46cm) £64.00
DOP24404 Large adult left ankle cuff (34 – 46cm) £64.00
DOP24405 Adult right arm cuff (22 – 36cm) £59.00
DOP24406 Adult right ankle cuff (22 – 36cm) £59.00
DOP24407 Adult left arm cuff (22 – 36cm) £59.00
DOP24408 Adult left ankle cuff (22 – 36cm) £59.00

Patented two chamber cuffs allowing four limbs to be measured simultaneously.

All prices exclude VAT.
Dopplex SR2 & SR3
digital obstetric dopplers

Introducing the Sonicaid SR2 and SR3 digital dopplers – rate and trace display dopplers with either a fixed 2MHz or 3 Mhz waterproof probe. These high sensitivity handheld digital dopplers are intended for general purpose screening of the FHR at all stages of pregnancy from as early as 8-10 weeks, right through to labour.

New features include:
- Large FHR numeric or trace modes offers enhanced FHR screening with high visibility backlit colour screen with ‘big’ numbers and ‘trace’ display view
- Improved audio with dynamic digital noise reduction and gel filter
- Trace and sound storage to store and playback patient tests
- Connectivity & communications via USB and Bluetooth to software package
- Specially designed for high performance probes
- Rechargeable option to reduce running costs

Dopplex SRX digital obstetric dopplers

Introducing the Sonicaid SRX digital rate and trace display doppler with choice of interchangeable non-waterproof 2MHz or 3MHz probes.

Compatible with all Dopplex vascular XS probes for audio only screening or arteries and veins (4MHz for obstetric vessels)

New features include:
- Large FHR numeric or trace modes offers enhanced FHR screening with high visibility backlit colour screen with ‘big’ numbers and ‘trace’ display view
- Improved audio with dynamic digital noise reduction and gel filter
- Trace and sound storage to store and playback patient tests
- Connectivity & communications via USB and Bluetooth to software package
- Specially designed for high performance probes
- Rechargeable option to reduce running costs

Probe not included – please select from the range on page 88

DOP600 SR2 digital 2MHz doppler £438.00
DOP601 SR2 digital 2MHz rechargeable doppler £468.00
DOP604 SR3 digital 3MHz doppler £438.00
DOP605 SR3 digital 3MHz rechargeable doppler £468.00

DOP602 SRX digital 3MHz doppler £314.00
DOP603 SRX digital 3MHz rechargeable doppler £344.00
Dopplex D920 & D930 audio dopplers

The Sonicaid D920 and D930 are entry level, audio only, waterproof 2MHz or 3MHz fetal dopplers and selected as the preferred models by many clinicians for early pregnancy use as well as general purpose screening gestation.

Features include
- Clear audio only sounds of FHR
- Fixed waterproof 2MHz or 3MHz probe
- Low battery indicator
- Large carry bag
- Gel

Sonicaid One

The Sonicaid One is a FHR display waterproof 2MHz fetal doppler, used from early gestation through labour.

- Display fetal heart rate range 50-210 bpm
- Signal quality and battery low indicator
- Fixed waterproof 2MHz probe
- Unique design – easy to use, small and lightweight
- Supplied with soft pouch, gel, user guide and pregnancy calculator

**DOP200 | D920 2MHz audio doppler | £318.00**

**DOP208 | D930 3MHz audio doppler | £318.00**

**DOP250 | Sonicaid One | £399.00**
dopplers

WatchBP Office ABI (ankle brachial index)

A sophisticated, affordable cardiovascular screening device that allows fast and easy screening for important cardiovascular risk factors such as atrial fibrillation (AF), peripheral arterial disease (PAD) and hypertension.

The WatchBP office ABI is a professional monitor with three modes:

**Screen mode**
In ‘screen-mode’ the device can perform simultaneous double-arm blood pressure (BP) measurements. Double-arm measurements are recommended by several guidelines to be performed at each first visit. This is because significant inter-arm differences (IAD) in BP may indicate the presence of congenital heart disease, peripheral vascular disease, unilateral neurological, musculoskeletal abnormalities, or aortic dissection.

**ABI mode**
After the ‘screen-mode’ measurements, the arm with the highest BP value is known and the ankle brachial index (ABI) can be determined. The ankle arm (brachial) measurement is performed simultaneously and is validated against Doppler for accuracy with positive results. In addition, it reduces the time as compared to Doppler so that the left and right ABI can be determined in 5 to 6 minutes. In practice this means that the whole screening for 3 important cardiovascular risk factors hypertension, PAD and AF can be performed in less than 15 minutes.

**Routine mode**
The device can also be used as a regular BP monitor using ‘routine mode’. The device automatically performs three subsequent measurements in a row (or less, when preferred) on one arm while screening for AF at the same time. At the end both the average and separate BP values are provided.

Supplied with
- Mains adaptor
- Researchable NiMH battery
- 2 x medium cuff 22–32
- 2 x large cuff 32–42
- 1 x ankle cuff

For spare cuffs please contact our sales team on 0800 0304169

<table>
<thead>
<tr>
<th>SPH482</th>
<th>WatchBP Office ABI</th>
<th>£1295.00</th>
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</thead>
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EDAN Sonotrax Basic A

Sonotrax Basic A is a high performance model with FHR digital LCD backlight display. It has audio output, which can be connected with earphones or a recorder. The unit can be operated with 4MHz or 8MHz probe for vascular diagnosis.

- Easy-to-use
- Large backlight LCD display
- Ergonomic design, compact and light
- Accurate FHR detection with clear sound
- High sensitivity interchangeable probe
- Support 2MHz, 3MHz, 4MHz, 8MHz waterproof probes
- Automatic and manual FHR Counting
- Long time continuous use (about 8h)
- Automatic power-off
- DOP300 includes waterproof probes 4MHz and 8MHz
- DOP301 includes waterproof probe 2MHz

DOP300  Sonotrax Basic A vascular pocket doppler  £249.99
DOP301  Sonotrax Basic A fetal pocket doppler  £179.99

Ultra sound gel

DOP095  250g  £1.59
DOP096  1000g  £3.00

BHS A/A VALIDATION

FULLY INTEGRATED WITH EMIS WEB AND YOU CAN ATTACH REPORT TO SYSTMONE

NICE approved (Atrial Fibrillation) AF ALGORITHM

See guidance.nice.org.uk/mtg13

See www.henryscheinmedical.co.uk for spare cuffs