dopplex®

Single Use Intraoperative Doppler Probe

STERILE SINGLE USE SURGICAL PROBE

HUNTLEIGH

A MEMBER OF THE ARJO FAMILY

Sterile
Single-use 8Mhz
Surgical Probe

Dopplex Single Use Intraoperative Doppler Probe

Quality control is vitally important in performing surgery, if secondary intervention and re-operation are to be avoided. The Dopplex Single Use intraoperative probe can assist in the performance of safe surgery.

By providing quality assurance of blood flow intraoperatively, time and costs of a potential re-operation can be avoided. Intraoperative Doppler ultrasound assessment provides immediate evidence of success in vascular reconstructive procedures. Furthermore the risk of prolonged ischemic time is significantly reduced.

Features at a glance

- Supplied Sterile – Ready for immediate use
- Immediate visualisation of Doppler waveforms can confirm blood flow using the new DMX digital Doppler unit
- 8MHz operation for reliable flow detection in native vessels
- Simple operation – special electronic adaptor resists diathermy interference and allows connection to the Dopplex DMX waveform Doppler
- Maximum sensitivity every time
- When using the Dopplex DMX, bi-directional velocity waveforms can be saved to the integral memory card and archived or printed using the Dopplex Vascular Reporter software package
- Lightweight and easy to hold

The single use presterilised probes have been designed in close consultation with leading surgeons and meet exacting requirements for quality, ease of use and value for money. A patented connector system has been developed to provide trouble free connection to the probe adaptor and the super flex cable does not kink or tangle when in use.

The probes are available in a variety of different packs:

- A starter pack which includes 10 probes, PA8XS adaptor and IV pole clamp.
- Extra probes are also available in packs of 10.

Actual Size

Single Use Intraoperative Doppler Probe – Length 130mm – Diameter 5mm

When used with the DMX Doppler, it provides a visual and audible indication of blood flow to aid the confirmation of vessel patency.

"Although I do appreciate the financial restrictions present in many hospitals, there is no doubt that having to take a blocked graft back to theatre or worse still, an amputation, will cost much more than several probes and the Doppler unit."

M Lewis, UK

Why use the Dopplex Single Use Intraoperative Probe?

Infection Control

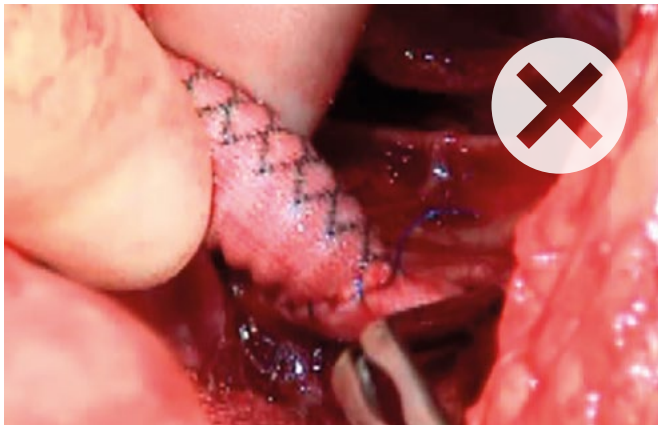
The Single Use Intraoperative Probe can greatly reduce the risk of infection during surgery caused by non sterile products being used within the sterile field.

The Presterilised probe ensures that high quality Doppler signals can be obtained from vessels without compromising the sterile barrier.

Palpating A Pulse Does Not Confirm Flow

The Single Use Intraoperative Probe is an excellent Quality Assurance tool and has benefitted many surgeons during operations. Palpating the vessel for a good pulse does not indicate that distal run off is adequate.

A good pulse can be obtained from a blocked distal vessel and is often misleading.



"The intraoperative probe guarantees good infection control by eliminating the need of putting a standard probe into a glove, which brings the Doppler and cable into the sterile field."

S. Shiralkar, UK

"Listening to the quality of the Doppler signal from a hand held Doppler probe necessitated putting a standard probe inside a sterile glove full of gel. This was cumbersome and messy and there was a risk of de-sterilising the operative field with the probe cable. The intraoperative probes are reliable and rugged and the risk of compromising the sterile field has been all but eliminated."

R. Salaman, UK

"At completion, we have on several occasions obtained a good pulse proximal to a graft but no flow when using the intraoperative probe and without exception resorted to removal of a clot."

M. Lewis, UK

"Just feeling the pulse in the graft gives a false sense of security as the vessel maybe blocked distally. In these situations, the whole graft will get blocked in the post-operative period, requiring re-exploration...
...Good tri-phasic sounds from the graft rules out distalthrombosis and proves distal patency, which is very reassuring to the surgeon before finishing the operation."

S. Shiralkar, UK

Where the Dopplex Single Use Intraoperative Probe can be used

The Single Use intraoperative probe can be used in a wide range of clinical procedures, these include:

- Carotid Endarterectomy
- Femoro-popliteal bypass
- In-situ femoro-distal bypass
- Detection of flow in arteriovenous fistulae
- Coronary artery bypass grafts
- Renal and hepatic transplantation
- Renal blood flow confirmation post aortic aneurysm repair
- Cosmetic surgery
- Skin flap surgery

The Presterilised Dopplex Single Use Intraoperative Probe can be used straight out the box to immediately confirm blood flow prior to closing, saving time and costs of a potential re-operation.

The high sensitivity probes are available Boxes of 10 sterile packs. This allows spares to be available in case of contamination.

The probes have been specially designed to be lightweight, easy to hold, and should be used instead of a standard probe placed in a sterile glove.

Probes are compatible with the entire Dopplex range of hand held Dopplers. When used with the DMX Digital Doppler unit, immediate visualisation of Doppler waveforms can confirm blood flow.

The Dopplers can be mounted onto an IV pole using the specially designed pole clamp or the pole stand.

"Flaps based on perforator arteries are becoming increasingly popular... By using the intraoperative Doppler probe to check the perforator vessels the flap design can be reliably adjusted intraoperatively to tailor the tissue to the defect without compromising the blood supply."

M. Kernohan, UK

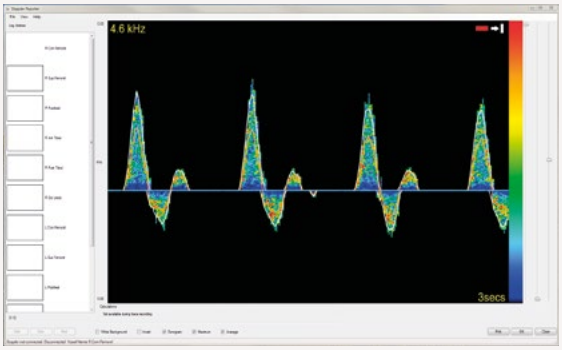
Documentation and Archiving

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

It allows data recorded and stored on the Doppler during surgery to be visualised, replayed and reported upon on a PC post-operatively. An unlimited number of traces can be transferred and stored for reviewing, archiving and printing.

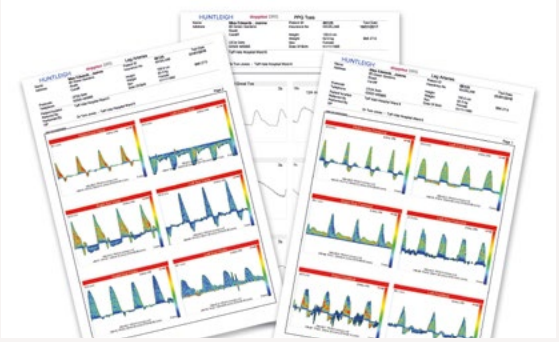
Key features of Vascular Reporter include:

- Displays Doppler colour spectral waveforms
- Replay of Doppler waveforms and flow separated sounds
- An integral database for patient data storage and Doppler sound files
- A PDF generator enables the final reports to be saved and transferred to an external EPR system



Doppler Spectral Display

Doppler colour spectral waveforms can be visualised



Report Style Printouts

Multiple traces can be stored, archived and printed for reports

Intraoperative Probe Options

Product	Order Code	Contents
Probe Pack	DIPP10	Box of 10 Sterile Single Use Intraoperative Probes
Starter Pack	DISP10XS*	Includes PA8XS Probe Adaptor, Clamp and Box of 10 Sterile Single Use Intraoperative Probes
Starter Pack with DMXR	DISP10-DMXR	Includes everything in the DISP10XS + DMXR
PA8 Adapter Pack	ISPXS*	PA8XS and Clamp (no probes)

* Also available in non-XS version compatible with D900, SD2 and MD2
Note: A Dopplex main unit and Adaptor are required to operate your Intraoperative probes.
Probes are supplied STERILE.

For information on contract pricing options** or any other queries please contact our Customer Care Department.

**** Regional/Geographical restrictions apply**

As a proud member of the Arjo family, we have been committed to supporting healthcare professionals in improving outcomes and enhancing patient wellbeing since 1979. We do this through our proven solutions for Vascular Assessment & Treatment and Fetal & Patient Monitoring. With innovation and customer satisfaction as our guiding principles, we strive for clinical excellence and improved performance, for life.

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As our policy is one of continuous improvement, we reserve the right to modify designs without prior notice.

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