

DOPPLEX  
INTRAOPERATIVE PROBE

HUNTLEIGH



...with people in mind

# dopplex® Intraoperative Probe

## Re-Sterilisable 8MHz Surgical Doppler Probe



Quality control is vitally important in performing surgery, if secondary intervention and re-operation are to be avoided.

The Dopplex intraoperative probe can assist in the performance of safe surgery. Using Doppler ultrasound the probes provide immediate evidence of success in vascular reconstructive procedures. By confirming blood flow prior to closing, time and costs of a potential re-operation can be saved. Furthermore the risk of prolonged ischemic time is significantly reduced. The probe can also be used to locate small vessels in skin flap planning and during cosmetic procedures.

**“ 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

### FEATURES

- Sterilisable by Autoclave, Ethylene Oxide or Steris System 1.
- Audible, visual\* and hard copy\* confirmation of blood flow.
- 8MHz operation for reliable flow detection in native vessels and some prosthetic grafts.
- Simple operation – special electronic adaptor resists diathermy interference and allows connection to any Vascular Dopplex Advanced Pocket Doppler.
- A unique easy clean connector system.
- Bi-directional velocity waveform printouts – when used with the dopplex MD2, dopplex RD2 or dopplex MD200 in conjunction with the dopplex Printa II or dopplex DR3 software package.

\* Depending on Dopplex system used.

The easy to clean probes have been designed in close consultation with leading surgeons and meet exacting requirements for quality, ease of use and value for money. A unique, easy clean 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 3 probes, adaptor and clamp.
- A starter pack which includes a Doppler.
- Extra probes are also available in packs of 3.



ULog sterilisation management tool

# Why use the dopplex intraoperative probe?

## INFECTION CONTROL

The intraoperative probe can greatly reduce the risk of infection during surgery caused by non sterile products being used within the sterile field.

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

*“ 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

## PALPATING A PULSE DOES NOT CONFIRM FLOW

The 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.

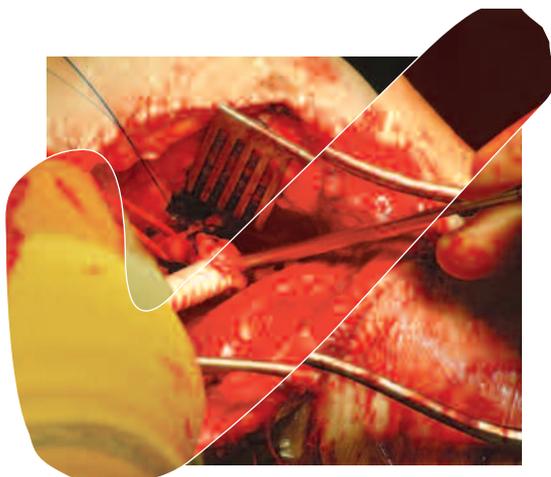
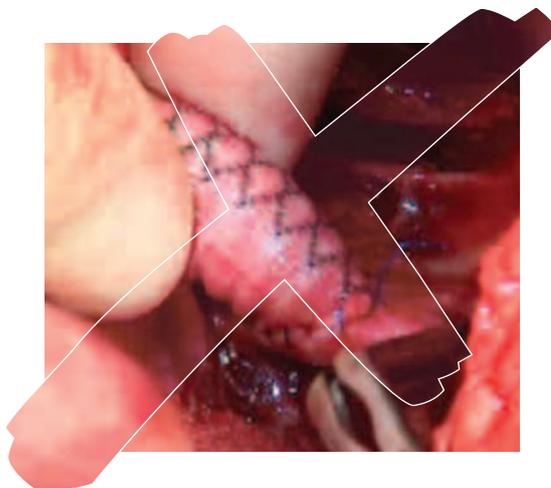
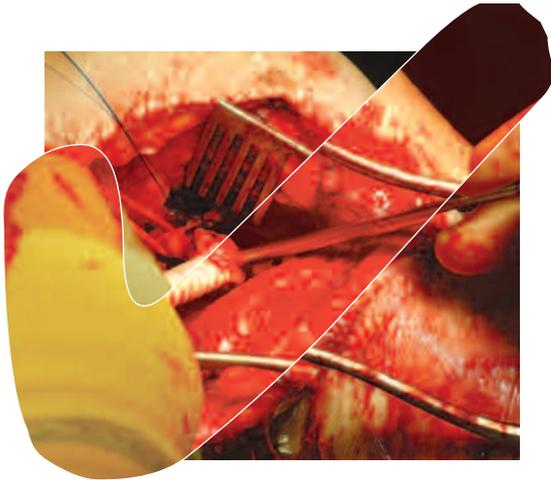
*“ At completion, we have on several occasions obtained a good pulse proximal to a graft but no flow when using the intraoperative probe and without exception resorted to removal of a clot. ”*

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 distal thrombosis and proves distal patency, which is very reassuring to the surgeon before finishing the operation. ”*

S. Shiralkar, UK



## Where the dopplex intraoperative probe can be used?

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

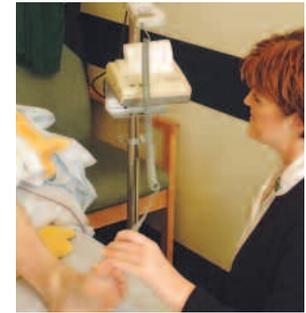
- Carotid Endarterectomy
- Femoro-popliteal bypass
- In-situ femoro-distal bypass
- Detection of flow in arterio-venous fistulae
- Coronary artery bypass grafts
- Renal and hepatic transplantation
- Renal blood flow confirmation post aortic aneurysm repair
- Cosmetic surgery
- Skin flap surgery



PRE



PERI



POST

**“ 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

PRODUCT	ORDER CODE	CONTENTS
Starter Pack	ISP3	Includes Probe Adaptor, clamp and 3 Intraoperative probes
Probe Pack	IPP3	Includes 3 Intraoperative probes
Starter Pack with Dopplex MD2	ISP3 - MD2	Includes MD2 bi-directional Doppler, Probe, Adaptor, Clamp and 3 Intraoperative probes
Starter Pack with Dopplex D900	ISP3 - D900	Includes D900 audio only Doppler, Probe, Adaptor, Clamp, and 3 Intraoperative probes

Note: A Dopplex main unit and Adaptor are required to operate your Intraoperative probes.

Probes are supplied NON-STERILE

Probes may be sterilised using:-

Autoclave at 121°C and 137°C a maximum of 6 cycles  
or Ethylene Oxide (ETO) a maximum of 30 cycles  
or Steris System 1 a maximum of 30 cycles

For further information please contact our Customer Care Department



Intraoperative Probe – Length 130mm – Diameter 5mm

## HUNTLEIGH ...with people in mind

**Diagnostic Products Division** 35 Portmanmoor Road, Cardiff, CF24 5HN, United Kingdom  
T: +44 (0)29 20485885 F: +44 (0)29 20492520 E: sales@huntleigh-diagnostics.co.uk  
W: www.huntleigh-diagnostics.com



Registered No: 942245 England. Registered Office: 310-312 Dallow Road, Luton, Beds, LU1 1TD  
© Huntleigh Healthcare Limited 2008

MEMBER OF THE GETINGE GROUP

® and ™ are trademarks of Huntleigh Technology Limited

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

GENLIT 017/07 LIT 722330-4