



Neurovascular Doppler Systems



Manufactured by:
VTI Vascular Technology
12 Murphy Drive
Nashua, NH 03062



Distributed by:
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 Caution	•Prior to product use, carefully read and comprehend the contents of the user manual and product packaging information. •Inspect the product routinely and thoroughly, in addition to pre- and postoperative examinations. •For after-sale support, contact your local sales representative.
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Mizuho Neurovascular Doppler Systems

Intraoperative essentials for neurosurgical and vascular procedures

Mizuho offers a portable, easy-to-use, and accurate modality for evaluating blood flow intraoperatively. Two systems operating at two different frequencies, 8 MHz and 20 MHz, provide audio blood flow detection at different depths of penetration.



8 MHz System

Recommended Applications

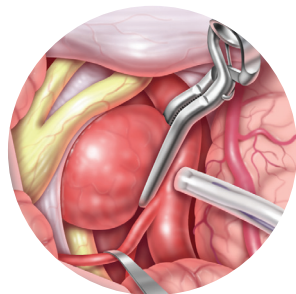
- Locates carotid artery in transsphenoidal procedures
- Allows technical verification of anastomosis and endarterectomies
- Evaluates EC-IC Bypass

Transceivers

- Available with A/C to D/C connection and battery only

Probes

- Packaged 4 in a box
- Sterile, Disposable
- Straight and Bayonet design
- 1.5mm or 3.5mm (crystal size)



Clinical Benefit

Minimize the risk of internal carotid artery injury during transsphenoidal surgery



20 MHz System

Recommended Applications

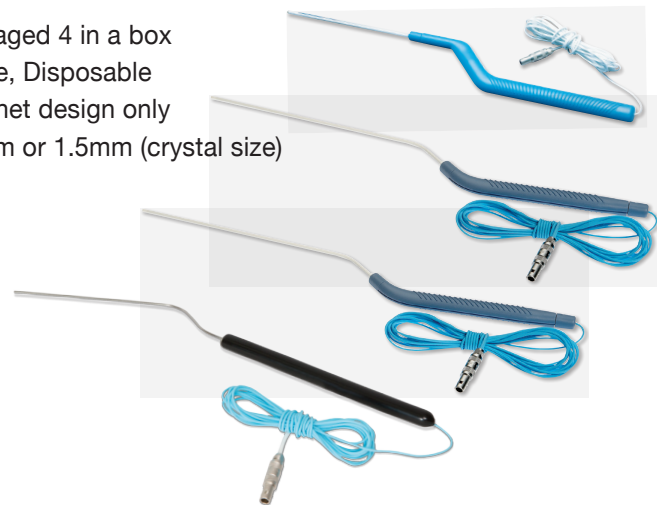
- Locates feeder artery in AVM
- Locates vessels noted on angiogram
- Determines completeness of aneurysm clipping
- Determines patency of parent vessel post aneurysm clipping
- Validates patency of microvascular anastomosis

Transceivers

- Available with A/C to D/C connection and battery only

Probes

- Packaged 4 in a box
- Sterile, Disposable
- Bayonet design only
- 0.5mm or 1.5mm (crystal size)



Clinical Benefit

Quickly assess aneurysm clip placement and confirm aneurysm occlusion

Ordering Information

8 MHz Doppler Transceiver with A/C (108910-AC)



Size: 6.5"x10"x4"
(165mm x 254mm x 101mm), nom.
Weight: 2.6 lbs., (1.18kg), nom.
Frequency: 8 MHz
Power: 8 AA Alkaline Batteries or A/C to D/C
4 hours, min. (standby mode, full volume)

8 MHz Doppler Transceiver (108910)



Size: 4.25"x3.75"x5.35"
(105mm x 95mm x 135mm), nom.
Weight: 1.4 lbs., (0.6kg), nom.
Frequency: 8 MHz
Power: 8 AA Alkaline Batteries
10 hours, nom. (standby mode, full volume)

8 MHz Kelly Endonasal Probe (138210)

- Packaged four to a box
- Sterile disposable
- 131mm working length, 265mm overall



- Bayoneted, 1.5mm (crystal size)
- Last 10mm of tip bent at 10 degrees

20 MHz Doppler Transceiver with A/C (07-150-20)



Size: 6.5"x10"x4"
(165mm x 254mm x 101mm), nom.
Weight: 2.6 lbs., (1.18kg), nom.
Frequency: 20 MHz
Power: 8 AA Alkaline Batteries or A/C to D/C
4 hours, min. (standby mode, full volume)

20 MHz Doppler Transceiver (07-150-02)



Size: 4.25"x3.75"x5.35"
(105mm x 95mm x 135mm), nom.
Weight: 1.4 lbs., (0.6kg), nom.
Frequency: 20MHz
Power: 8 AA Alkaline Batteries
10 hours, nom. (standby mode, full volume)

20 MHz Doppler Probe (07-150-07)



- Packaged four to a box
- Malleable shaft
- Sterile disposable
- 105mm working length, 275mm overall
- Bayoneted, 1.5mm (crystal size)



20 MHz Doppler Micro Probe (07-150-12)

- Packaged four to a box
- Sterile disposable
113mm working length, 231mm overall
- Bayoneted, 0.5mm (crystal size) ultra fine tip

20 MHz Doppler Probe, Slim Handle (07-150-10)



- Packaged four to a box
- Sterile disposable
- 115mm working length, 233mm overall
- Bayoneted, 1.5mm (crystal size)



20 MHz Doppler Micro Probe, Slim Handle (108650)

- Packaged four to a box
- Sterile disposable
- 74mm working length, 200mm overall
- Bayoneted, 0.5mm (crystal size) ultra fine tip