



Neurovascular Doppler Systems



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 Doppler Transceivers with A/C



8 MHz System

Recommended Applications

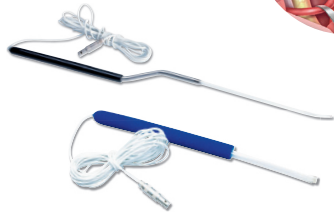
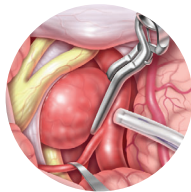
- Locates carotid artery in transspenoidal procedures
- Allows technical verification of anastomosis and endarterectomies
- Evaluates EC-IC Bypass

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 transspenoidal surgery

20 MHz Doppler Transceiver with A/C



20 MHz System

Recommended Applications

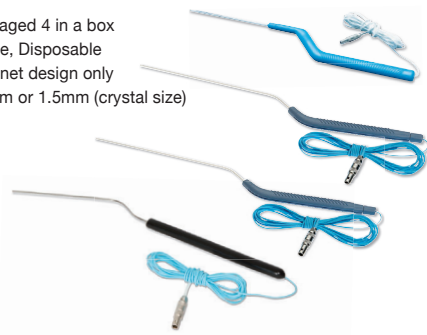
- Locates feeder artery in AVM
- Locates vessels noted on angiogram
- Determines completeness of aneurysm clipping
- Determines patency of parent vessel post aneurysm clipping
- Validates patency of microvascular anastomosis

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 Doppler Probe (108260)

• Packaged four to a box
• Sterile disposable
• 55mm working length, 160mm overall
• Straight design, 3.5mm (crystal size)



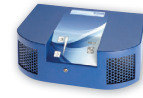
8 MHz Kelly Endonasal Probe (138210)

• 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

