



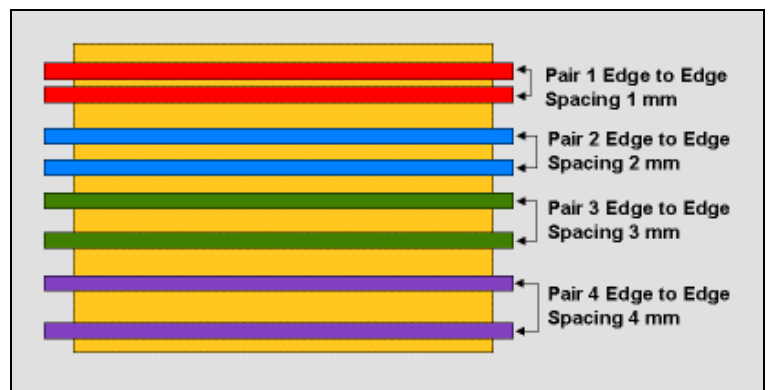
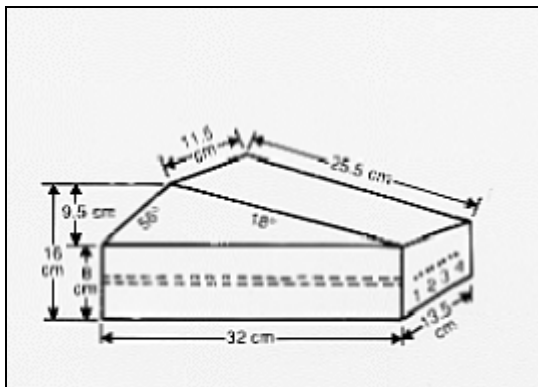
Model 527 Doppler Flow Directional Discrimination Device

- Directional Discrimination
- Flow Velocity
- Sensitivity at varying depths
- Maximum Penetration
- Location of Flow



Product Description

Model 527 rubber-based tissue mimicking phantom is designed to test color Doppler flow imaging systems. This phantom monitors the ability of the system to discriminated the direction of flow in small vessels, of close proximity, at varying depths. The phantom contains four pairs of 2 mm flow channels. The edge-to-edge spacing between the flow channels within each pair progressively increases from 1 mm to 4 mm. If greater distances are desired, a combination of two flow channel pairs can be used. A fixed-angle scan surface maintains a constant angle between the sound beam and the test fluid flowing through the phantom at 18° or 56° permitting continuous scanning at depths ranging from 3 to 17 cm. **Lifetime warranty.**



Specifications

Model 527

General

Overall Dimensions: 32 x 14 x 8.5 cm
Scan Surfaces: 2
Scan Surface Dimensions: 25.5 x 11.5 cm @18°
Scan Surface Dimensions: 9.5 x 11.5 cm @56°
Maximum Fluid Pressure: 8 psi
Connectors: Luer-lock
Weight: 6.4 Kg
Tissue Mimicking Material: Urethane rubber
Freezing Point: <-40°C
Melting Point: >100°C
Attenuation Coefficient: 0.5 dB/cm/MHz ± 5.0%
Speed of Sound: 1450 m/s ±1.0% at 23°

Flow Channels

Type: Circular
Number of Channels: 8
Number of Pairs: 4
Diameters: 2 mm
Scan Surface Depth: 3 - 11 cm @18°
Scan Surface Depth: 4 - 17 cm @56°

ATS Laboratories, Incorporated, 404 Knowlton St., Bridgeport, CT USA Tel: 203-579-2700 Fax: 203-333-2681

Email: atslaboratories@yahoo.com Webpage: atslaboratories.com