

Peripheral Vascular Doppler Flow Phantom

Models ATS 524



The ATS Model 524 tissue mimicking Doppler flow phantom contains four flow channels simulating superficial vasculature. The simulated vessels are located 15 mm below the scan surface. Built-in scanning wells are provided to permit the use of water or a low viscosity gel as acoustic coupling agents.

The phantom has four constant diameter channels, 2, 4, 6 and 8 mm.

If the user requires depths greater than 15 mm, we recommend the use of our Model 528 scanning wedge. The wedge is constructed of the same tissue mimicking material as the Doppler flow phantoms and provides an additional 50 mm of scanning depth.

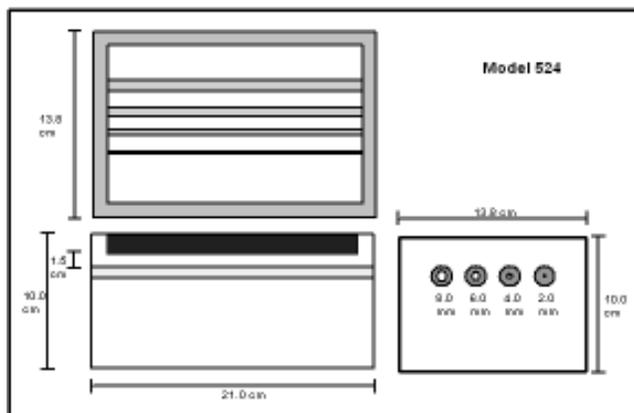
Key Tests with Model ATS 524

When used with the Model 769, Doppler Flow Pump, the following tests can be performed:

- Sensitivity
- Flow Velocity
- Maximum Penetration
- Flow Location

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SPECIFICATIONS

MODEL ATS 524

DIMENSIONS	22 x 14 x 10 cm (9" x 8" x 4")
PHANTOM WEIGHT	13 lbs. (6.1 kg)
HOUSING MATERIALS	PVC
SCAN SURFACES	1
MAXIMUM FLUID PRESSURE	15 psi (1.05 Kg/cm)
SCAN SURFACE DIMENSIONS	17.5 x 9.8 cm
CONNECTORS	Quick Disconnect
TISSUE-MIMICKING MATERIAL	Urethane Rubber

MODEL ATS 524 INCLUDES

QTY	COMPONENT DESCRIPTION
1	Peripheral Vascular Doppler Flow Phantom
-	24 Month Warranty
-	User Guide
-	Certificate of Compliance

Must purchase Model 769, Doppler Flow Pump, separately.

URETHANE PROPERTIES

Freezing point: < -40°C
 Melting point: Above 100° C
 Speed of Sound: 1450 m/s ±1.0% at 23°
 Attenuation Coefficient: 0.5 dB/cm/MHz ± 10%

FLOW CHANNELS

Type: Circular
 Number of Channels: 4
 Diameters: 2, 4, 6, 8 mm

