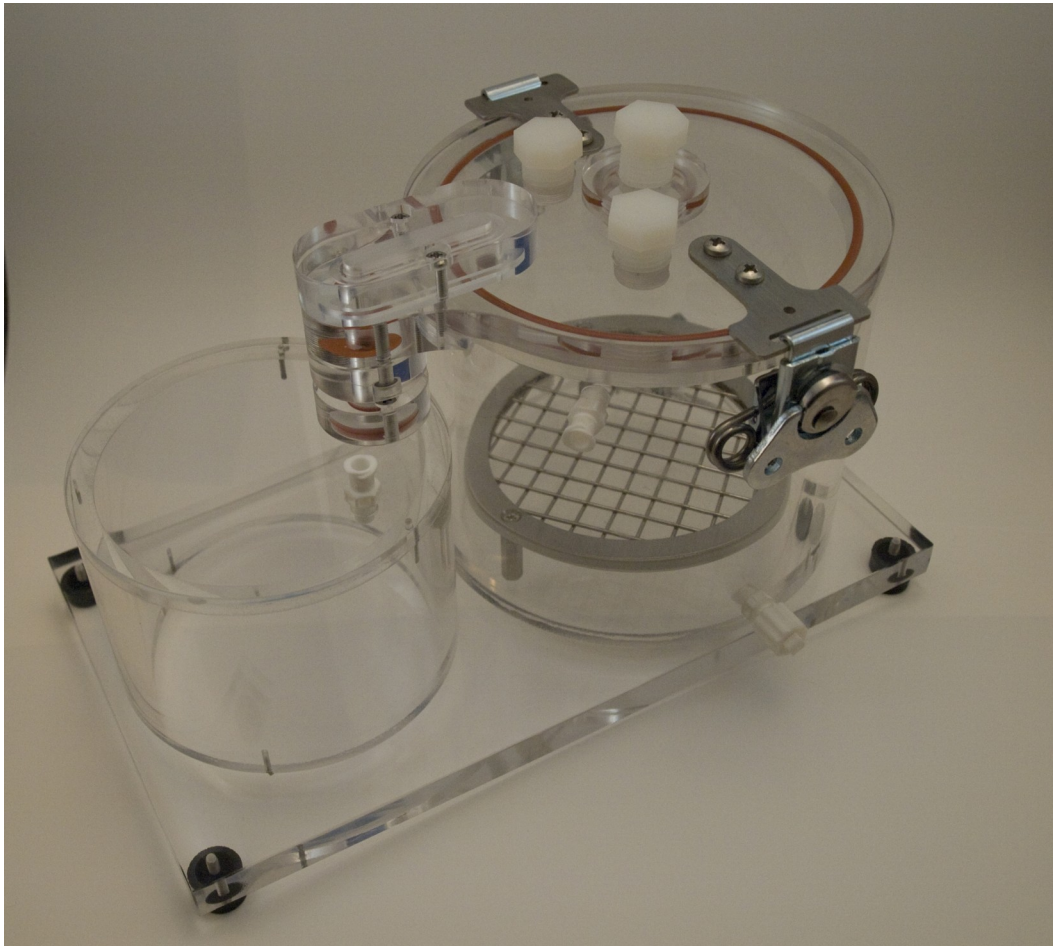


Mouse Unrestrained Whole Body Plethysmograph Chamber



Features:

- Designed to reduce environmental ambient noise produced by changes in room air flows.
- Top loading for easy placement of test subjects.
- Accommodates a wide range of pressure transducers.
- Stainless steel grid floor provides improved animal hygiene.
- Easy to clean aerosolization port.
- Single screen pneumotachograph eliminates the need to overlap multiple screens while providing optimal resistance.

Technical Data Sheet

Model 600-2500-001

Mouse Unrestrained Whole Body Plethysmograph Chamber

The DSI Mouse Unrestrained Whole Body Plethysmograph is designed to complement use with the Ponemah Unrestrained Plethysmograph (URP) analysis module, Validyne pressure transducers and DSI implantable telemetry devices. It enables researchers to monitor physiologic endpoints such as Breaths-per-Minute, Tidal Volume, Minute Volume, Inspiratory time, Expiratory time, Apnea time, Pause and PenH from unrestrained mice.

There are two whole body plethysmography methods. The uncompensated method does not use the chamber temperature or humidity for correction of the Tidal Volume and Minute Volume parameters. The compensated method uses chamber temperature and humidity to generate a more accurate flow and volume signals which generate accurate Tidal Volume and Minute Volume parameters.

Using the whole body plethysmograph chamber in conjunction with implantable telemetry, other parameters such as cardiovascular or CNS endpoints can be obtained at the same time. This can eliminate the need for additional studies saving time and resources.

SPECIFICATIONS	ORDERING INFORMATION																																														
<ul style="list-style-type: none">Chamber and base is constructed of a durable clear acrylic measuring 9" x 5" (22.9 cm x 12.7) and approximately 6.75" (17.1 cm) in height with lid and ball valve in place, weight 2.9 lbs (1.34 kg).Animal holding chamber 4.375" (11.1 cm) ID and 3.75" (9.5 cm) in height, volume approximately 56.4 cubic inches (924 cubic cm).2.4 ounce (70 mL) water bottle with rubber stopper.2 Pressure Transducer ports and 3 ancillary chamber ports.	<table><thead><tr><th>Part Number</th><th>Description</th></tr></thead><tbody><tr><td>600-2500-001</td><td>Mouse Unrestrained Whole Body Plethysmograph chamber</td></tr><tr><td colspan="2">Accessories</td></tr><tr><td>600-1210-001</td><td>Temperature Sensor</td></tr><tr><td>600-1211-001</td><td>Humidity Sensor</td></tr><tr><td>600-1212-001</td><td>Temperature Sensor Cable for Universal XE</td></tr><tr><td>600-1214-001</td><td>Humidity Sensor cable for Universal XE</td></tr><tr><td>600-1100-002</td><td>Validyne Pressure Transducer DP-45, +/- 2.25CMH₂O use with 7700 Carrier amplifier</td></tr><tr><td>600-1102-002</td><td>Validyne Pressure Transducer DP-250, +/- 2.25CMH₂O use with 7700 Carrier amplifier</td></tr><tr><td>13-7715-59</td><td>7700 Universal XE Amplifier, 4 channels, 16 bit, high and low pass filters</td></tr><tr><td>13-7715-35</td><td>7700 Carrier signal conditioner, 4 channels, 16 bit</td></tr><tr><td>600-1258-001</td><td>Barometric Pressure Sensor, 220 V</td></tr><tr><td>600-1259-001</td><td>Barometric Pressure Sensor, 115 V</td></tr><tr><td>600-1260-001</td><td>Mass Flow meter</td></tr><tr><td>600-1261-001</td><td>Flow meter analog out cable</td></tr><tr><td colspan="2">Replacement Accessories</td></tr><tr><td>600-1000-001</td><td>Replacement screens (200x600)</td></tr><tr><td>600-1002-001</td><td>Ball valve</td></tr><tr><td>600-1004-001</td><td>Water Bottle with rubber stopper</td></tr><tr><td>600-2510-001</td><td>Mouse Whole Body Plethysmograph chamber lid</td></tr><tr><td>600-2512-001</td><td>Mouse Whole Body Plethysmograph chamber floor</td></tr><tr><td>600-2513-001</td><td>Plug, gasket, and water bottle kit</td></tr><tr><td>600-2514-001</td><td>Refurbishment kit. Includes gaskets, pneumotachograph screens, ball valve, water bottle, luer fittings & caps, screws, stopper, tubing, chamber floor.</td></tr></tbody></table> <p><i>Specifications are current at publication. Due to DSI's continuing product improvement program, specifications may change without notice.</i></p>	Part Number	Description	600-2500-001	Mouse Unrestrained Whole Body Plethysmograph chamber	Accessories		600-1210-001	Temperature Sensor	600-1211-001	Humidity Sensor	600-1212-001	Temperature Sensor Cable for Universal XE	600-1214-001	Humidity Sensor cable for Universal XE	600-1100-002	Validyne Pressure Transducer DP-45, +/- 2.25CMH ₂ O use with 7700 Carrier amplifier	600-1102-002	Validyne Pressure Transducer DP-250, +/- 2.25CMH ₂ O use with 7700 Carrier amplifier	13-7715-59	7700 Universal XE Amplifier, 4 channels, 16 bit, high and low pass filters	13-7715-35	7700 Carrier signal conditioner, 4 channels, 16 bit	600-1258-001	Barometric Pressure Sensor, 220 V	600-1259-001	Barometric Pressure Sensor, 115 V	600-1260-001	Mass Flow meter	600-1261-001	Flow meter analog out cable	Replacement Accessories		600-1000-001	Replacement screens (200x600)	600-1002-001	Ball valve	600-1004-001	Water Bottle with rubber stopper	600-2510-001	Mouse Whole Body Plethysmograph chamber lid	600-2512-001	Mouse Whole Body Plethysmograph chamber floor	600-2513-001	Plug, gasket, and water bottle kit	600-2514-001	Refurbishment kit. Includes gaskets, pneumotachograph screens, ball valve, water bottle, luer fittings & caps, screws, stopper, tubing, chamber floor.
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DSI products are not intended for the purposes of diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease, or used as a life support device. Use of DSI products are solely for the purposes of conducting life science research.