

Technical Specifications

TFT Monitor Ring

Screen arrangement	octagonal, six TFT sub-units
Viewing angle	270°, from center position
Height	44 cm
Weight	30 kg

JetBall Spherical Treadmill, 20 cm for Mice

Ball Holder length	20 cm
Ball Holder width	20 cm
Ball Holder height	8 cm
Ball Holder height with ball (without air flow)	21 cm
Ball Holder weight	5.5 kg
Ball Holder material	Aluminium
Ball diameter	20 cm
Ball material	Polystyrene

JetBall Spherical Treadmill, 30 cm for Rats (<300 g)

Ball Holder length	30.2 cm
Ball Holder width	30.2 cm
Ball Holder height	12 cm
Ball Holder height with ball (without air flow)	31 cm
Ball Holder weight	19.8 kg
Ball Holder material	Aluminium
Ball diameter	30 cm
Ball material	Polystyrene

Power

Power Input Voltage	100-240 V AC
Power Consumption	850 W (maximal), 500 W (typical)

Pressure Regulation

Flow meter	4-50 l/min, for experiments: 25 l/min
Pressure regulator	6 bar (maximum), for experiments: 2 bar
Sound pressure level	48-52 dBA (top of the ball, 1 cm distance from the ball, air flow 20 l/min)

LickSensor

Material (outer cover)	Polyvinyl chloride
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XY-Motion-Sensor

Resolution	200-5700 dpi
Max. speed	Up to 4.19 m/s

Peristaltic Pump

Typical flow rate	0.45 ml/min
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Movable Rack

Width	59.5 cm
Depth	62 cm
Height (without control monitor)	98.5 cm