





Sensible Phantom Specifications



Phantom Omni and Desktop

	Phantom Omni	Phantom Desktop
		
Workspace	~6.4 W x 4.8 H x 2.8 D in > 160 W x 120 H x 70 D mm	~6.4 W x 4.8 H x 4.8 D in > 160 W x 120 H x 120 D mm
Range of motion	Hand movement pivoting at wrist	Hand movement pivoting at wrist
Nominal position resolution	> 450 dpi ~0.055 mm	> 1100 dpi ~0.023 mm
Maximum exertable force at nominal (orthogonal arms) position	0.75 lbf/3.3 N	1.8 lbf/7.9 N
Stiffness	x-axis > 7.3 lb/in (1.26 N/mm) y-axis > 13.4 lb/in (2.31 N/mm) z-axis > 5.9 lb/in (1.02 N/mm)	x-axis > 10.8 lb/in (1.86 N/mm) y-axis > 13.6 lb/in (2.35 N/mm) z-axis > 8.6 lb/in (1.48 N/mm)
Force feedback (3 Degrees of Freedom)	x, y, z	x, y, z
Position sensing/input (6 Degrees of Freedom)	x, y, z (digital encoders)	x, y, z (digital encoders)
[Stylus gimbal]	[Roll, pitch, yaw (\pm 5% linearity potentiometers)]	[Roll, pitch, yaw (\pm 3% linearity potentiometers)]
Interface	IEEE 1394 FireWire® port: 6-pin to 6-pin	IEEE 802.3 Ethernet port (USB option)



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