



Sensible Phantom Specifications



Phantom Premiums

	Premium 1.0	Premium 1.5	1.5 High Force (HF)	Premium 3.0
				
Workspace	10 W x 7 H x 5 D in 254 W x 178 H x 127 D mm	15 W x 10.5 H x 7.5 D in 381 W x 267 H x 191 D mm		33 W x 23 H x 16 D in 838 W x 584 H x 406 D mm
Range of motion	Hand movement pivoting at wrist	Lower arm movement pivoting at elbow		Full arm movement pivoting at shoulder
Nominal position resolution	860 dpi 0.03 mm	860 dpi 0.03 mm	3784 dpi 0.007 mm	> 1000 dpi ~0.02 mm
Maximum exertable force (nominal position)	1.9 lbf/8.5 N	1.9 lbf/8.5 N	8.4 lbf/37.5 N	4.9 lbf/22 N
Stiffness	20 lbf in ⁻¹ 3.5 N mm ⁻¹	20 lbf in ⁻¹ 3.5 N mm ⁻¹		5.7 lbf in ⁻¹ 1 N mm ⁻¹
Force feedback (3 Degrees of Freedom)	x, y, z	x, y, z		x, y, z
Position sensing/input (3 Degrees of Freedom with 3 additional degrees optional)	x, y, z (roll, pitch, yaw optional)	x, y, z (roll, pitch, yaw optional)	x, y, z (roll, pitch, yaw optional)	x, y, z (roll, pitch, yaw optional)
Interface	Parallel port	Parallel port	Parallel port	Parallel port
Optional end effectors	Encoder gimbal	Encoder gimbal	HF Encoder gimbal	Encoder gimbal

