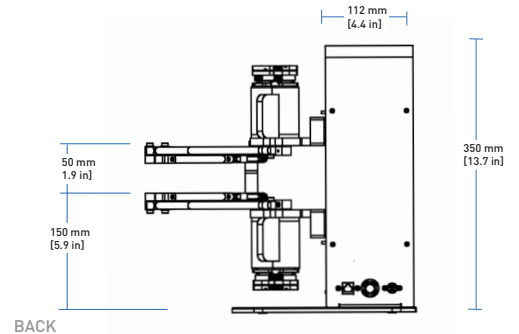
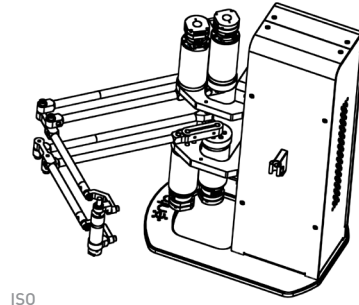
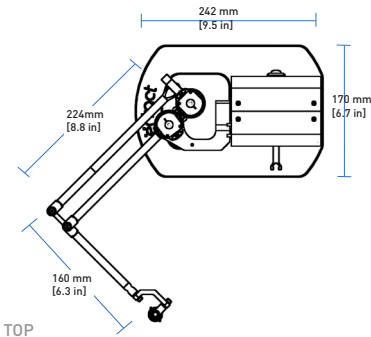


W5D Controller™

HAPTIC INPUT DEVICE



TECHNICAL SPECIFICATIONS

High Bandwidth Response - Delicate Rendering - Low Friction and Mass

WORKSPACE		
MOTION OF HAND PIVOT AT WRIST	135 mm X, 150 mm Y, 150 mm Z	
ROLL	+/- 50 roll	
PITCH	+/- 50 pitch	
NOMINAL FORCE	Continuous	Peak (instantaneous)
X, Y, Z	1.41 N X, Y, Z	4.04 N X, Y, Z
ROLL, PITCH	38 N.mm roll, pitch	112 N.mm roll, pitch
NOMINAL RESOLUTION		
X, Y, Z	0.0125 mm X, Y, Z*	
ROLL, PITCH	0.021 deg roll, pitch*	
YAW	0.25 deg yaw*	*Alternate resolution options available.
BACKDRIVE FRICTION		
X, Y, Z	0.005 N in X, Y, Z	
PERCEIVED TIP MASS		
AT HOME POSITION	42 g in X, Y, Z	
SIZE AND MASS		
DEVICE DIMENSIONS (L x W x H)	242 mm x 170 mm x 350 mm (9.5 in x 6.7 in x 13.7 in)	
WEIGHT	7.2 Kg	
INTERFACE		
COMMUNICATION	UDP communication via Ethernet. Gumstix Overo based embedded system running Linux OS & open source firmware. Open-source API for Windows	
FEATURES		
OVERVIEW	Mechanical gravity balancing over workspace. Simple interface for custom handle attachments. Accessory signals available for handles. Capable, user configurable software & hardware interface.	

Contact us today for pricing and a free 30 minute technical assessment: **1-800-301-3863**