

Small-Scale Actuator Unit

The Small-Scale Actuator Unit is a compact version of Humotech's standard Full-Sized Actuator Unit with a single motor, motor drive, and power converter contained within a fixed housing that can be placed on any stable surface. It incorporates an electric servomotor with high torque density for actuation of a Humotech (or other cable-actuated) wearable device. The Unit is designed for indoor laboratory use and is powered by standard single-phase AC wall power.

Interested in a multi-axis configuration or some other variation? Please let us know! This is a new product and we are actively developing to best suit your needs.



PROPERTY

SPECIFICATION

System Weight	6.92 kg / 15.25 lbs
System Dimensions	16" L x 20" W X 4" H
Maximum Motor Speed	2187 rpm (unloaded)*
Maximum Cable Speed	1.72 m/s (5.64 ft/s) (unloaded)*
Peak Motor Torque	3.17 Nm (ft-lbs)**
Peak Cable Force	352N (79lbs)**
Peak Motor Current	30 A per axis***
Standard Motor Operating Voltage	24 VDC
Standard Power Supply Voltage	120 VAC single-phase

Technical Specs

* Maximum speed available with 24 VDC configuration, higher voltage options available upon request.

** Maximum torque available with direct drive configuration, geared options available upon request.

***Current limited by 24 VDC / 120 VAC power supply. Other options available upon request.