

FT-325 Hand Dynamometer

The FT-325 hand dynamometer is an air-filled bulb with a pressure sensor sealed inside which connects to the DIN8 inputs of iWorx amplifiers or iWorx data acquisition units. As you grip the bulb, the pressure inside climbs, causing the sensor to put out more voltage. The sensor measures pressure within a range of 20 to 250 kPa.

iWorx recommends using 2-point calibration of the FT-325 using a known weight (kg). This will allow students to be able to measure the force of their squeeze in kg rather than volts.

Specifications

Input Range	20 – 250 kPa
Output Range	0.2V to 4.8V
Calibration	Required every use
Default scaling Value	Vout for 760mm Hg is 1.86V Vout for 860mm Hg is 2.13V