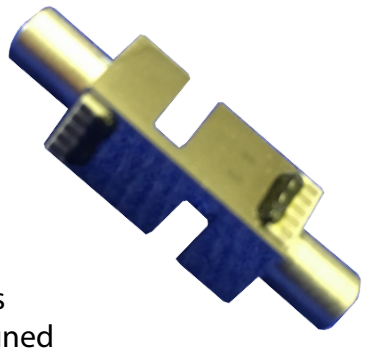
STRAIN MEASUREMENT DEVICES

Application

Market: Medical Device
Product Line: Load Cell

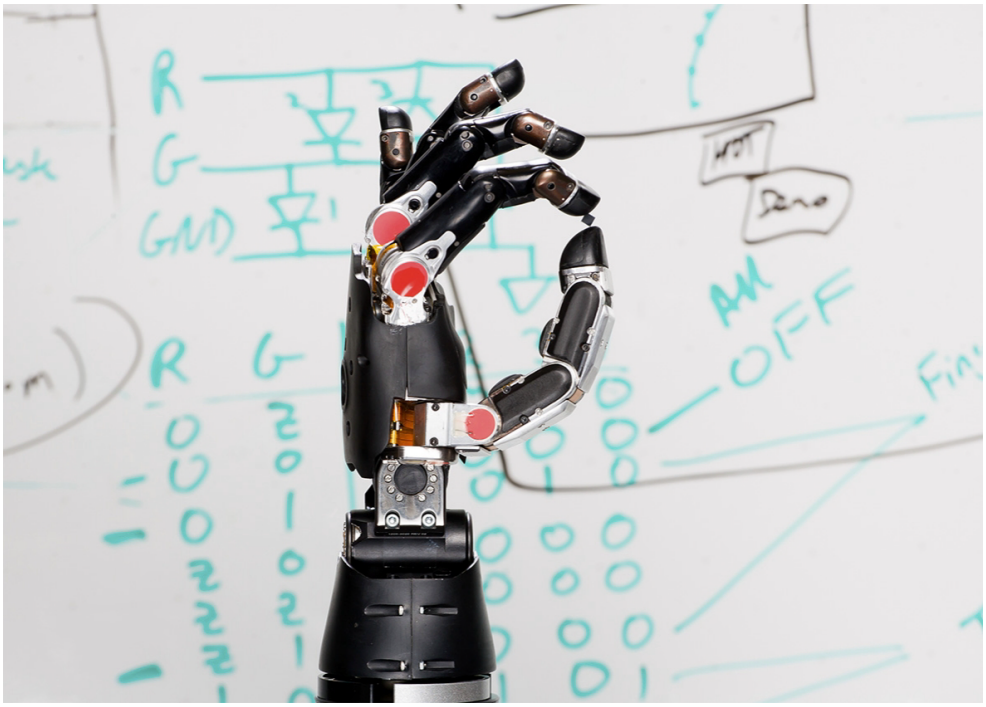
Robotic Hand

Application: Robotic Hand Prosthesis, designed & built by auniversity, that is controlled by thought and returns tactile sensations.



Customer Challenge: In need of a sensor with independent voltage outputs, with measurements proportional to the force applied, on two axes.

SMD Sensor Solution: Strain Measurement Devices provided the customer with a **M200** dual axis load cell, which uses sputtered thin film strain gauge technology to create a compact, rugged sensors with exceptional long-term stability. The sensor can measure both the X and Y axes on a probe, with the outputs translated into tactile feedback signals through software. A second sensor was designed to measure tendon forces which was used to measure tensile forces.



Related Products:

M200 Joystick Load Cell
S402 Button Load Cell
E110 Signal Conditioning Board
E120 Signal Conditioning Board
4000 Panel Meter

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