

The iPECS Sensor is a Force/Moment sensor that transmits strain gauge information at a high data rate over a 2.4 GHz wireless link. On the iPEC sensor is a three button keypad that indicates battery status, allows the user to turn on the sensor, zero the sensor, and reset the sensor. Also included on the sensor is a mini-USB port used for charging the built in 3.7 VDC lithium ion battery and for upgrading the firmware on the unit as well as a manufacturer proprietary interface connector. Sensor operating frequency is software selected by the laboratory technician and set over the wireless network from a DCM unit. The iPECS sensor is a commercial (Class A) product intended for and sold to research facilities to aid in the design and fitting of prosthetic limbs.