



PrioPT Hip
Sensor System



PrioPT Shoulder
Sensor System



PrioPT Knee
Sensor System

Yost Labs Motion Tracking for Rehabilitation

PrioPT™ sensors are white label solutions for telerehab platforms.

KEY FEATURES:

- Wearable sleeve with integrated accelerometers, gyros, magnetometers, microprocessors, haptic actuators.
- Wirelessly connects to mobile devices via Bluetooth®
- Real-time range of motion and joint angle tracking
- Haptic vibration alerts to movements outside prescribed range
- Up to 3 months between battery charges
- 5 patents issued and more pending

Developers for industry-leading telerehab platforms are turning to Yost Labs for real-time biomechanical tracking. We support them with solutions that are both low-cost and easy-to-use.

Our PrioPT family of joint specific products are a white-label sensor solution for easy-to-integrate range of motion and joint angle data.





Wireless: High speed, Bluetooth wireless connectivity.

Power: No need for an on/off switch. Extremely user-friendly, patent pending sensors automatically turn PrioPT on and off combined with an ultra long life battery allows the system to last up to a full three months before requiring a recharge.

Inertial Sensors: Joint angle and range of motion detection through multiple aerospace grade AHRS inertial motion sensors with integrated accelerometers, gyros, magnetometers. Each sensor and dedicated microprocessor running Yost Labs' patented QGRAD™ sensor fusion firmware.

Haptics: Programmable haptic vibration system provides gentle buzzing sensation that can be used to alert a user when they move outside a prescribed range of motion.



YOST LABS

630 Second Street
Portsmouth Ohio 45662, USA

Phone: 740.876.4936
info@yostlabs.com
yostlabs.com

Made in USA. Patents:
8498827, 8682610,
9255799, 9354058.
Additional patents pending.

Yost Labs is one of Ohio's fastest growing technology companies. The company is internationally recognized as a leader in advanced inertial motion sensor technology. Yost Labs has created inertial motion sensor fusion firmware that is 10x the computational efficiency of previous technologies - resulting in miniature MEMS sensors with low latency, low energy, and low heat. Applications range from human motion tracking in virtual reality to drone navigation. Our technology is sold as either a firmware license or as complete sensor units. Yost Lab's sensors are displacing older technologies and are now standard components for the US Navy and US Air Force target drones as well for the Army Corps of Engineers Geospatial Mapping initiative. Yost Lab's innovation has been recognized with five patent awards with numerous additional patent applications pending. The growing list of customers includes technology giants in computing, industrial equipment, robotics, and AR/VR.