

Xsens DOT

PRECISION MOTION TRACKING

About Xsens DOT

Xsens DOT is a state-of-the-art development platform for the measurement and analysis of human kinematics from industry leaders, Xsens. The platform features high-accuracy wearable inertial sensors, an easy-to-integrate mobile SDK and community support from Xsens experts.

Xsens DOT provides endless application possibilities for innovators and developers giving everything needed to build a commercially attractive application.

Make it happen with Xsens DOT

➤ Visit www.xsens.com/xsens-dot



GENERAL

SENSOR PLACEMENT	Application dependant Straps available by Xsens (sold separately)
LATENCY	30 ms
BATTERY	Battery life up to 6 hrs Charging time about 1 hr
WEIGHT	10.8 g
DIMENSIONS SENSOR	36.30 x 30.35 x 10.80 mm (l x w x h)"
OPERATING TEMPERATURE RANGE	0°C - 50°C
WATERPROOF RATING	IP 68

COMMUNICATION

COMMUNICATION PROTOCOL	Best performance with Bluetooth 5.0 devices
SUPPORTED MOBILE DEVICES	Android OS 8.0 or above iOS 9.0 or above
COMPATIBLE DEVICES	Any (via BLE 5.0)

ORIENTATION

STATIC (INCLINATION HEADING)	0.5° 1.0° 1σ RMS
DYNAMIC (INCLINATION HEADING)	1.0° 2.0° 1σ RMS

SENSOR COMPONENTS

FULL SCALE	± 2000°/s ± 16g ± 8 Gauss
DIMENSIONS	3 axes

OUTPUT

DATA OUTPUT	Orientation (Unit Quaternions & Euler Angles) Free acceleration Acceleration Angular Velocity Magnetic Field Timestamp and status
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