

MICRO SENSOR 1.8

6DOF MILLIMETER-SIZED EMBEDDABLE SENSOR FOR HIGH PRECISION TRACKING

The small but powerful Micro Sensor 1.8™ is a tiny motion tracking sensor that tracks in full 6DOF (Degrees-of-Freedom), capturing precise measurements of both position and orientation, and delivering tracking speeds up to 240Hz.



SMALL MATTERS

Weighing in at less than one gram, and boasting a slender size, at 1.8mm OD (Outer Diameter), Micro Sensor 1.8 is ideal for attaching to objects, such as surgical and dental instruments, and more. Micro Sensor delivers high-fidelity tracking that can measure the slightest movement of a skilled surgeon, or the robust fingers of a world-class guitarist. This tiny sensor can be inserted into a catheter, and is completely embeddable, while maintaining full 6DOF tracking.

PERFORMANCE & SPECIFICATIONS

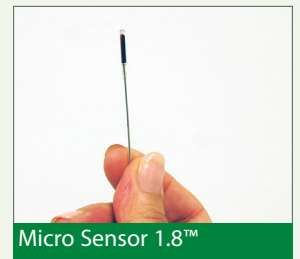
Micro Sensor is compatible with several Polhemus tracking systems. Accuracy is specific to the Polhemus tracking system selected.

LIBERTY	240Hz	1-16 Sensors
G4	120Hz	1-3 Sensors
FASTRAK	Up to 120Hz	1-4 Sensors
PATRIOT	60Hz	1-2 Sensors

FEATURES

- ✓ Full 6DOF, Without Cameras
- ✓ Completely Embeddable
- ✓ No Line-of-Sight Needed
- ✓ Weighs Less Than One Gram
- ✓ Update Rates Up to 240 Hz
- ✓ Track Up to 16 Sensors Simultaneously
- ✓ Multiple Tracking System Options

OPTIONS





THE STANDARD AND EXTRA FLEX CABLES FOR MICRO SENSOR 1.8, SHOWN ON HAND

PRODUCT DIMENSIONS

CABLE DIMENSION	1.3mm Outer Diameter
STANDARD CABLE LENGTH	15 ft.
ADDITIONAL CABLE LENGTHS	Available upon request
DIMENSIONAL DRAWINGS	Available upon request

APPLICATIONS

- ✓ Healthcare Simulation
- ✓ Catheter Applications
- ✓ Image Guided Surgery
- ✓ Head Tracking
- ✓ Hand and Finger Tracking
- ✓ Biomechanics

GET IN TOUCH

Our technology powers applications in a wide variety of markets, catering to healthcare, military, and in countless research areas. Talk with our Motion Tracking Experts today.

POLHEMUS.COM



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*Large metallic objects, such as desks or cabinets, located near the source or sensor, may adversely affect the performance of the system.

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