

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

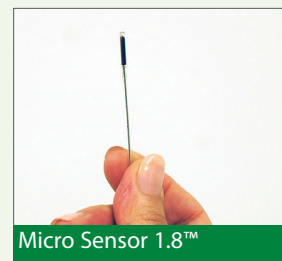
Micro Sensor is compatible with several Polhemus tracking systems. Accuracy is specific to the Polhemus tracking system selected.

| | | |
|----------------|-------------|--------------|
| 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
- ✓ Head Tracking
- ✓ Catheter Applications
- ✓ Hand and Finger Tracking
- ✓ Image Guided Surgery
- ✓ 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

POLHEMUS
INNOVATION IN MOTION™

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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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