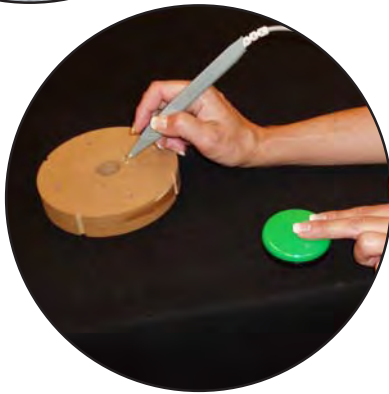


PATRIOT DIGITIZER



Foot Switch



Hand Switch

► ACCESSORIES



TX4 Source



3" Stylus

POLHEMUS
INNOVATION IN MOTION™

Polhemus is a Good Manufacturing Practices (GMP) Contract Manufacturer under U.S. FDA Regulations. We are not a manufacturer of Medical Devices. Polhemus systems are not certified for medical or bio-medical use. Any references to medical or bio-medical use are examples of what medical companies have done with the Products after they have obtained all necessary or appropriate medical certifications. The end user/OEM/VAR must comply with all pertinent FDA/CE regulations pertaining to the development and sale of medical devices and all other regulatory requirements.

► SPECIFICATIONS

Range

Up to 6 ft. diameter with TX2 source; up to 10 ft. diameter with TX4 source

Interface

RS-232 with selectable baud rates up to 115.2 K. USB 2.0 (high speed)

Software Tools

GUI and SDK included

USB drivers for Microsoft Windows®, XP/Vista/Win7 included (32-bit and 64-bit)

Linux® - open source application available

Accuracy

Absolute: 0.05 in. (1.3mm); Relative: 0.019 in. (0.48mm)

Relative accuracy was determined by digitizing a bowling ball and calculating the variation in radius over the point cloud surface

Resolution

0.00046 inches, 0.0038 degrees at 12-inch source-to-stylus separation

Operating Temperature

10°C to 40°C at a relative humidity of 10% to 95%, noncondensing

Physical Characteristics

SEU - 6.75 in. L x 6.25 in. W x 1.75 in. H

Power Supply - 3.5 in. L x 2.4 in. W x 1.4 in. H

Source - 2.3 in. L x 2.2 in. W x 2.2 in. H (standard 2 in.)

Stylus - 7 in. L x 0.5 in. W x 0.75 in. H or 3.5 in. L x 0.5 in. W x 0.75 in. H

Power Requirements

10W, 100-240 VAC, 47-63 Hz

► COMPONENTS

System Electronics Unit

Contains the hardware and software necessary to generate and sense the magnetic fields, compute position and orientation, and interface with the host computer via an RS-232 or USB 2.0 interface

Source

The source contains electromagnetic coils enclosed in a plastic shell that emit the magnetic fields, the system's reference frame for stylus measurements

Stylus

The stylus is a free-form digitizing tool (available in both 3-inch and 8-inch sizes), with both single point and continuous line output modes

Includes:

USB Cable

Hand/Foot Switch for Stylus

Power Supply

CD with Rhino Plug-in (Rhino software not included)

PATRIOT System User Manual

Two Year Warranty

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



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