Sources
(Transmitters)

Short Ranger (TX1)

A miniature source developed for small tracking areas spanning 1 to 24 inches, the mini source is compatible with all Polhemus sensors and can be used with a FASTRAK®, FastSCAN™, LIBERTY™, or PATRIOT™ system. Although the TX1 is "Plug and Play" for the LIBERTY and PATRIOT systems, the use of this mini source requires the FASTRAK to be returned for board modification.
Available with 10 or 20 ft. cables. 0.9" L x 1.1" W x 0.6" H, 0.32 oz.

2" Source (TX2) Standard

Perfect for use in small areas, this 2" source has a range of 3 to 60 inches. It is the standard source that comes with the FASTRAK, FastSCAN, LIBERTY, or PATRIOT systems.
Available with a 10 or 20 ft. cable. 2.2" L x 2.2" W x 2.1" H, .72 lbs.

4" Source (TX4) Extended Range

The 4" source offers 40% more range than the TX2. With an ideal operating range of 1 to 7 feet, it's perfect with the FASTRAK, FastSCAN, LIBERTY, or PATRIOT systems. (The 4" source does not extend the 60" range of the PATRIOT, however it improves signal to noise performance substantially). The TX4 uses the same mounting hole pattern as the TX2, so it is easily interchangeable.
Available with a 10 or 20 ft. cable. 4.07" L x 4.07" W x 4.04" H, 1.60 lbs.

Long Ranger®

This robust source increases range up to 15 feet. Ideal for tracking in large capture areas, such as immersive virtual reality environments, it is used exclusively with the FASTRAK and LIBERTY systems and comes with a 50 foot cable. Source is 18 inches in diameter.

Long Ranger Tripod (not illustrated)

A no-hassle solution for correctly positioning the Long Ranger. Range of adjustment approximately 4 to 8 feet high.

Stylus Options

8" Stylus

Adding a stylus expands the capability of the FASTRAK, FastSCAN, LIBERTY and PATRIOT systems into a free form digitizer ideal for creating files of stylus tip coordinates and orientation for use in CAD, graphics or custom applications. With the stylus, both single and continuous output may be obtained. The stylus is offered with a 10 or 20 ft. cable and a rounded or pointed tip. 7" L x 0.5" W x 0.75" H, 0.75 oz.
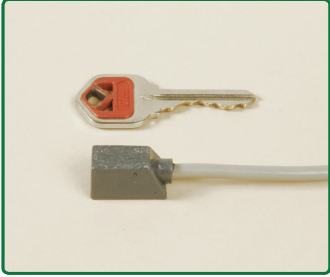
3" Stylus

A small 3" stylus allows access to those hard to reach places. Available for FASTRAK, FastSCAN, LIBERTY, and PATRIOT systems. The 3" stylus is offered with a 10 or 20 ft. cable and a rounded or pointed tip. The 3" stylus is similar to the 8" stylus except for length. 3.5" L x 0.5" W x 0.75" H, 0.45oz.

Accessories are not interchangeable between the FASTRAK/
FastSCAN series and the LIBERTY/PATRIOT series. Sensors,
Sources and Stylus for FastSCAN and FASTRAK are black.

ACCESSORIES

Sensors
(Receivers)

Flat Sided Mini (RX1-C)
Developed to work in smaller environments, this flat-sided mini sensor is compatible with the FASTRAK, LIBERTY and PATRIOT systems. Available with a 10 or 20 ft. cable. 0.89" L x 0.50" W x 0.45" H, 0.13 oz.

Teardrop Mini (RX1-D)
This miniature sensor is teardrop in shape, making it ideal for those applications where the RX1-C is less suited. Compatible with the Fastrak, LIBERTY and PATRIOT systems. Available with a 10 or 20 ft. cable. 0.425" L x 0.425" W x 0.425" H, 0.1 oz.

Standard Sensor (RX2)
The RX2 is our standard sensor that is shipped with the FASTRAK, FastSCAN, LIBERTY and PATRIOT systems. Designed for versatility, it is lightweight and comes complete with mounting hardware. Available with a 10 or 20 ft. cable for FASTRAK and custom lengths from 5 ft. to 20 ft., in one foot increments, for LIBERTY and PATRIOT. 0.9" L x 1.1" W x 0.6" H, 0.32 oz.

Sensor - Flying Leads
The RX2-FL is available with the FASTRAK, LIBERTY and PATRIOT systems. The leads give the additional flexibility of adding your own stylus or switch. Available with 10 or 20 ft. cables. 0.9" L x 1.1" W x 0.6" H, 0.32 oz. Available with or without mounting flanges (image shown without).
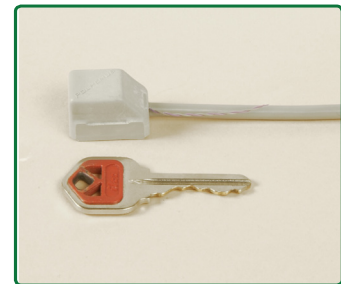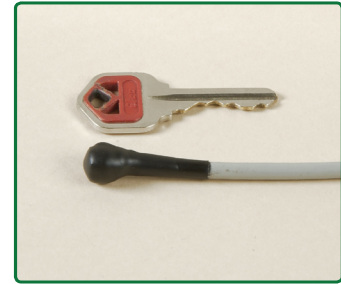
Other Accessories

System Case
The Storm FastSCAN case is built for durability, easy all-in-one organization and rugged use. This case allows for a complete FastSCAN Scorpion or Cobra system to fit snugly together with a source, the FastSCAN wand, power cable, USB and a padded case for a laptop. Wheels are optional.
Interior: 18"L x 13"W x 8.4"H Exterior: 19.2"L x 15.2"W x 9"H Weight Empty: 7.4 lbs (3.4 kg)

Hand/Foot Switch
This option allows the user to quickly and smoothly capture data points in 3D while using the stylus. It allows use by hand or foot to accurately capture 6DOF points while eliminating unwanted movement of the stylus tip. Diameter: 2.5" Height: 0.7" Weight: 2oz. Cord Length: 4'7"

Wanda
Wanda is a handheld, thumb activated, interaction device designed to house a 6DOF sensor and is comprised of three programmable buttons. Wanda can be used in free space, unlike a typical mouse or joystick, making it ideal for immersive display environments. It is supported in dozens of commercial applications via communication through VRCO's Track-D software. Custom applications can also be supported using the trackd API. Wanda is approximately 5-1/2" L x 2" W x 2" H.

Accessories are not interchangeable between the FASTRAK/FastSCAN series and the LIBERTY/PATRIOT series. Sensors, sources and stylus for FastSCAN and FASTRAK are black. NOTE: All sensors are available with a thin cable option. For special configuration and customization please contact sales@polhemus.com.

www.polhemus.com

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