

IP68 Trackball

rugged

Ergo

Trackball



The IP68 MIL Trackball Ergo is a fully rugged USB trackball in an aluminum milled housing with ergonomic shape. The trackball is completely waterproof and designed for adverse environmental conditions. In addition, the trackball has an anti-vibration feature which deactivates the trackball, when not in use and which prevents unwanted movement of the cursor due to vibration. This makes the IP68 MIL Trackball Ergo ideal for use in vehicles or ships.

Technical Specification

Operating elements	left mouse button right mouse button trackball
Tracking engine	Infra-red optical navigation technology
Trackball Resolution	1200 counts per ball revolution @ 1 IPS (inches per second) +/- 10% 2400 counts per ball revolution @ 5 IPS (inches per second) +/- 10%
Connector	USB Type A, 200 cm connecting cable
Supply voltage	4.4 V to 5.25 V _{DC}
Supply current	100mA Max.
Protocol	USB & PS/2 (auto-select)
Housing	Trackball: PC / ABS Case: Aluminum
Colour	black
Dimension	tbd
Weight	500 g

Environmental Specifications

Temperature	operating: 0°C to + 55°C storage: -40°C to + 85°C
Humidity	93 % RH @ 40°C
Vibration	2 g, 10-500 Hz, 1 octave/min, 10 sweep cycles
Shock	15 g / 11 ms, ½ sine, 3 shocks in +ve and -ve direction, all 3 axes
IP-Rating	IP68
EMI	Radiated immunity - limits according to level 3 of IEC 61000-4-3 Radiated emissions to EN55022 class B

Anti-vibration feature

- Electronically disables Trackball when not touched.
- Avoids unintentional movement of cursor caused by vibrations
- Adjustable sensitivity possible - works with gloves
- Suitable for a wide variety of applications -
Medical, Marine, Aviation, Military