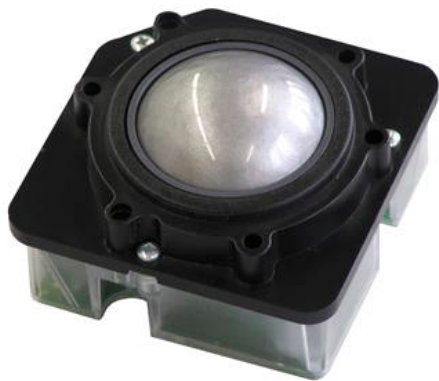


Industry

TW-50-IP65 Optical Trackball with Epoxy Resin Ball

Optical trackball with 50 mm diameter, IP 65 Protection (static)



Artikel-Nr. **TW1106**

Bezeichnung **TW-50-Opt-USB+PS2**

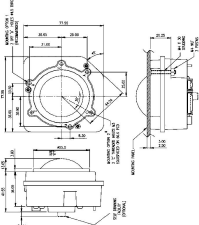
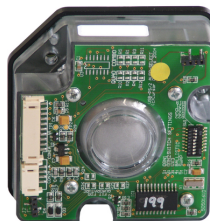
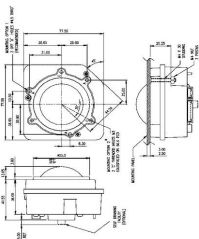
Ausführung **Combo PS/2 and USB**

waterproof

integratable

Trackballs

Images



Product description

Pin (Quadrature Ausgang)

1 (X1)

2 (X2)

3 (Y1)

4 (Y2)

5 (-)

6 (-)

7 (VCC (+5VDC))

8 (-)

9 (-)

10 (GND)

Pin (Function)

1 (Left Switch)

2 (Middle Switch)

3 (Right Switch)

4 (GND)

Pin (Function)

1 (+5VDC)

2 (0V)

DIP-Switch (Function)

1 (Orientation 1)

2 (Orientation 2)

3 (VX3 - virtual 3 axis function)

4 (Double tracking rate)

5-7 (-)

The 3rd Axis (VX3) can be of practical use for example in CAD Applications. In combination with the middle button the CAD-Program switches into PAN and ZOOM Mode, so that in a direction of rotation of the Trackball according to 3rd Axis is headed for. Repeated pressing of the middle key toggles between PAN and ZOOM Mode. Pressing either the left or right buttons to return to normal mode.

Multi-Interface (9 o'clock)

Orientation 1 (On)

Orientation 2 (On)

View from top of Trackball: Is the 10-pole. Female connector on left side (9 o'clock - as seen on the following technic-drawing), then the Dip-switches are to be adjusted according to above table. In the example: USB-Version: Dip-1 and -2 On. In order to rotate a quarter clockwise (12 o'clock), then DIP 1 is ON and DIP 2 is OFF and so on.

Features

- 50 mm optical epoxy resin trackball module in a tough ABS/polycarbonate top plate.
- The patented scraper ring enables the ball to be IP 54 (NEMA 2) or IP65 (NEMA 4)
- For industrial, medical or common data input as well as for kiosk infoterminals or aerospace industry.
- Besides the epoxy resin ball (optical technology) we offer a robust high-grade stainless steel trackball as well as a plastic trackball (mechanical technology)

Technical data

Mechanical data

Housing	Built-in
Housing	Polycarbonat
Degree of Protection	IP68
Dimensions	77,55 x 77,55 x 36,00 mm
Weight	0,21 kg
Ball Diameter	50,8 mm
Ball Material	Epoxy Resin

Electric Data

Interface	Combo PS/2 and USB
Operating Voltage	3,6 - 5,5 V
Operating Current	110 (150 max.) mA

Environment

Operating Temperature	from 0 °C to 55 °C
Storage Temperature	from -25 °C to 85 °C

Quality

Live time	> 1 mio. ball revolutions
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Additional Information

motion force	10-160 g
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Accessories



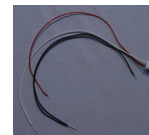
USB-Anschlusskabel, ca. 3 m Länge

ZK1430



PS2 Anschlusskabel, ca. 1,8m Länge

ZK1220



Kabel zum Anschluss von 2 Tasten (L+R) an Trackball mit integriertem Controller

ZK1245



Kabel zum Anschluss von 3 Tasten (L+R) an Trackball mit integriertem Controller

ZK1342



ZTS- M19 Metalltaste

ZT1353



ZTS- M19 Metalltaste mit Anschlussklemme

ZT1043



M19-Edelstahl

ZT1091

Order & get advice

Technical advice, samples and quantity pricing on request. Talk to us — we will configure the right version for your application.

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