

TW-50-IP65 Professional Stainless Steel Trackball

Heavy duty module with 50mm ball



Description

Applications:

The TW-50 serie are ruggedised professional [Trackballs](#). The ball and the top flange are made of quality stainless steel giving the unit a stylish all metal look. The double-sided seal ring provides a sealing to IP54. Stainless steel shafts and bearings ensure a solid and precise pointer control.

Ideal for use in medical or industrial devices as well as for marine or aircraft applications.

Features:

- [PS/2](#), [USB](#) or phase quadrature output
- IP65 & IP 54

Please ask:

- Next to the stainless steel trackball you can have a bright, yellow-orange ball as well as a blue backlit ball.



Specification**Mechanical data**

Dimensions:	79,50 x 77,60 x 51,1 mm
Weight:	,270 kg
Housing:	Plastic
Degree of Protection:	IP65 & IP54
Color:	black

Electric Data

Additional Interface:	for mouse Quadratur
Operating Voltage:	5 ± 0,25 V

Environment

Operating Temperature:	from -0 °C to +70 °C
Storage Temperature:	from -25 °C to +85 °C
Humidity:	30% min., 95% max., not condensing

Additional Information

Ball material:	Thermoset Phenolic or Polyester
Ball colour:	black (opt. yellow or backlit blue)
Tracking force:	10/25/50 g kontinuierlich - at IP40/51/65
Ball load:	200 N downward pressure
Ball speed:	200 RPM
Transducers:	photo-optical encoders with LED's
Mounting position:	horizontal to 30° (non-sealed) horizontal to 90° (sealed)
Resolution (Quadrature-Output):	155 Pulses per revolution
Resolution (Protocol-Output):	310/155 Pulses per Revolution (per DIP switch)
External switch inputs:	3 switch support - left, middle, right (only available in protocoLL version!)
Optional Backlight- Trackball :	+5VDC, 100mA
Vibration:	5 Gs, 2-5KHz any plane
Shock:	100 Gs, duration 11ms
Lifetime:	> 10 Mio. Ball revolution - non-sealed > 2 Mio. Ball revolution - sealed

Order No.	Article
TW1091	TW-50-IP65-Edel-PS/2 with onboard controller USB + PS/2

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