

Fully customisable TB50 Series Trackerball

UP TO IP65 SEAL RATING	COLOURED OR STAINLESS STEEL	38MM (1.5") TRACKERBALL	WIDE RANGE TEMPERATURE
MECHANICAL KEY OPERATION	60,000 HOURS MTBF	WIDE CHOICE OF INTERFACES	FULLY CUSTOMISABLE

Overview

The TB50 rugged trackball has an IP65/NEMA 4 sealing which means that it is dust tight and protected against water sprays. By replacing a standardised mouse control, the TB50 Rugged Industrial Trackerball offers a better precision cursor control and durability. Its ruggedised features and variants make this industrial pointing device usable in all operational systems. See all of the specifications below, and if something isn't listed that you may require, contact us and let us know as we may already have the solution you need!



General Specifications

MECHANICAL	
Ball Material	Phenolic Resin
Ball Colour	Black
Ball Size	50mm (2")
Resolution	200 pulses/ball revolution
Tracking Force	<50gms (nominal)
Ball Revolutions	>6 million
Material	Stainless Steel (304) Case / Bezel, Wear & Chemical Resistant overlay
Mounting	Cased, Bezel, Rear or Flush mount
Dimensions (mm)	See Dimensions on Page 2
Weight (g)	1.3Kg (Cased), 0.8Kg (Uncased)
Keys	Sealed mechanical
Key Travel	0.4mm
Life Expectancy	>1 million switch cycles
Operating Force	160gf ± 50gf
ELECTRICAL AND ELECTRONIC	
Supply Voltage	5V DC ± 5%
Supply Current	<12mA (PS2 / RS232) / <20mA (USB / PS2)
Interface	USB / PS2 / AT / RS232 / RS422 / RS485 / XT / TTL / DEC / SUN



TB50 Series Trackerball

COMPUTERS | WORK STATIONS | MONITORS | KEYBOARDS | TRACKERBALLS

ENVIRONMENTAL

Operating Temperature	-20°C to +60°C
Storage Temperature	-40°C to +85°C
Relative Humidity	95% non-condensing
IP Seal Level	IP65
Vibration	5G, 5-2KHz any plane

CUSTOMISATION

Colour	Full customisation of case colour and logos available
Trackerball	Various colours and stainless steel
Coding	Key operations can be customised to fit software needs
Dimensions	Physical dimensions can be customised

WARRANTY

Warranty Period	3 Years standard return to base. Extendable to 5 Years if required
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Prefer to have your device look a little different? You can choose any colour case, bezel and frontsheet you like!

You can have any key output anything you want, from key combinations to multiple characters, on a single key!



Require a special size case or bezel to fit your enclosure? We can produce custom sized cases or bezels to fit!

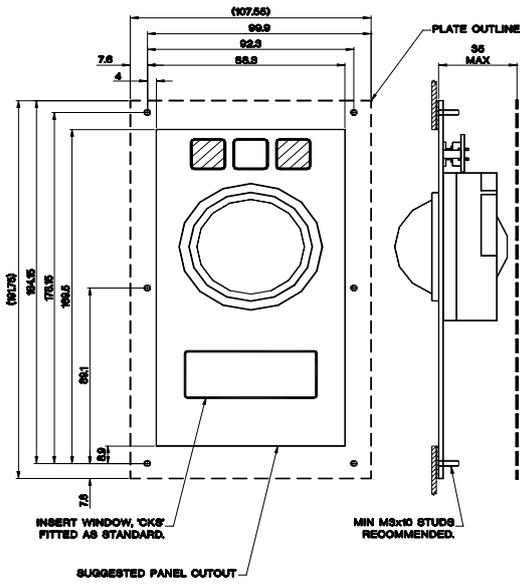
If you require a certain language or even a custom layout with keys detailing a custom function such as **OPEN DOOR**, we can do this for you too!



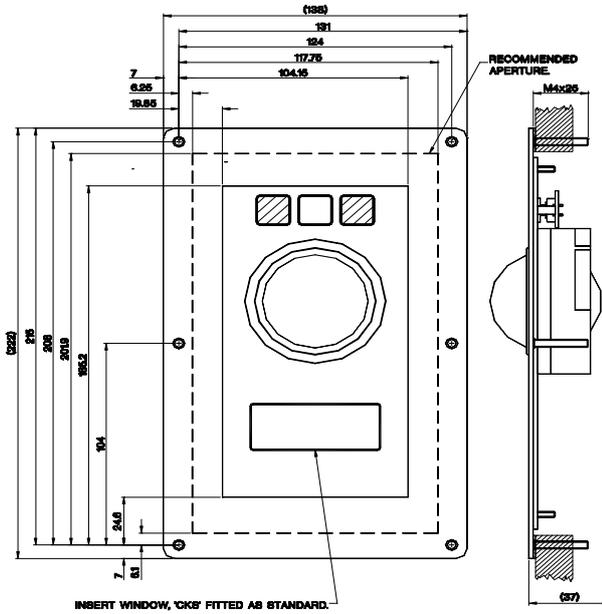
Need to use your device in a dark room? Our TB50 can be backlit illuminated via LED backlight, with any colour combinations!

Dimensions

REAR MOUNT



BEZEL MOUNT



CASED

