50 mm LASER WATERPROOF TRACKBALLS
IP65/IP68 sealed - vandalproof - 9 versions

TSX50 series

The TSX series are waterproof and vandalproof industrial trackball units and uses the latest generation of laser trackballs.

These trackballs are highly suited for harsh industrial environments thanks to their robustness and ease of maintenance. They feature a removable top ring facilitating the cleaning of ball and ball compartment for use in even the most dusty environments. The concept itself of these laser trackballs make them waterproof as well.

The use of stainless steel for the various parts ensures the best resistance in salty or greasy environments. Due to its outstanding sealing, its professional style and its industrial robustness, this trackball unit is the best suited pointing device for all harsh or hostile environments, indoor and outdoor.

All panel mount types are supplied with a silicone sponge seal ring for adequate sealing into the customers' panel or console. A cover plate on the rear side protects the components.

Fields of applications are very wide : public access- and information kiosks, internet- and entertainment terminals, navigation controls, food industry, processing industries and many others.

Available in 9 different versions :

PANEL MOUNT VERSION
- Front panel mounting with studs   OR
- Front panel mounting with holes (for countersunk M4 screws, not included)

Choice of switches and carrier plate
IP65 pushbutton switches   OR
IP68 short travel switches

Choice of carrier plate
blank stainless steel carrier   OR
matt blackened stainless steel carrier

ENCLOSED VERSION
- Enclosed version : complete blank stainless steel and IP68 short travel switches

SPECIFICATIONS

Sealing	: waterproof trackball module
Carrier plate	: stainless steel
Ball diameter	: 50,8 mm(2'')
Ball material	: polyester
Tracking force	: nom. 50 grams
Lifetime	: >= 2 million ball revolutions
Cable	: shielded, straight 1,6 m long
Operating t° range	: -10°C to +60°C
Storage t° range	: -25°C to +80°C
Dimensions / weight	
Panel mount	: 100 x 116 x 50 mm / 0,6 kg
Enclosed	: 200 x 120 x 63 cm / 1,3 kg

Buttons	pushbutton	short travel
Sealing	IP65	IP68
Travel	1,3mm	0,5mm
Operating force	4N	4N
Material	stainless steel	
Mechanical life	1 million	3 million

CE : compliant to EMC Directive 89/336/EEC for Electromagnetic Compatibility. Low Voltage Directive 73/23/EEC not applicable for our trackballs.

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CONNECTIVITY

These combo USB & PS/2 trackball units have a 1,6 meter long shielded straight cable ended by a USB type A plug.
An adaptor to PS/2 is added. No special device driver is needed, use standard available drivers of your operating system.
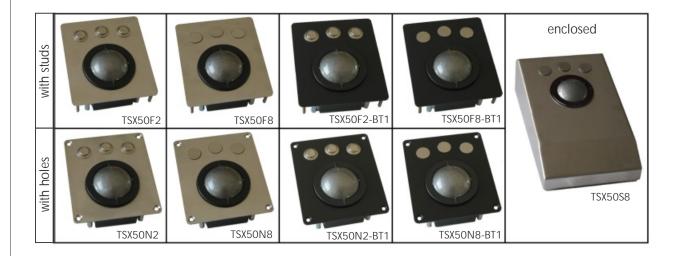
* Due to the increasing differences of the PS/2 mouse port specifications of the various PC manufacturers, we do recommend that this unit should be tested on the final PC configuration and operating system prior to installing it in series.
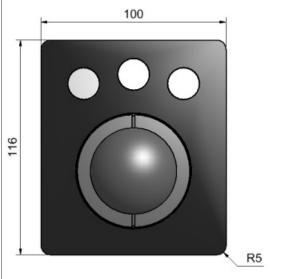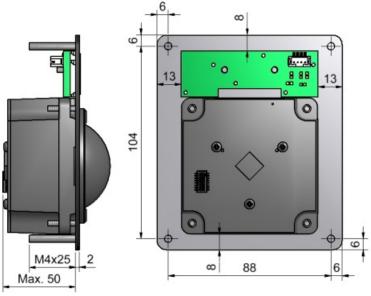
ORDER INFO

Front panel mount with studs	IP65 pushbutton switches	IP68 short travel switches
Blank carrier	TSX50F2	TSX50F8
Matt blackened carrier	TSX50F2-BT1	TSX50F8-BT1

Front panel mount with holes	IP65 pushbutton switches	IP68 short travel switches
Blank carrier	TSX50N2	TSX50N8
Matt blackened carrier	TSX50N2-BT1	TSX50N8-BT1

Enclosed	IP65 pushbutton switches	IP68 short travel switches
Blank carrier	/	TSX50S8

Output : USB & PS/2 Combo

with studs
TSX50F2 · TSX50F8 · TSX50F2-BT1 · TSX50F8-BT1

with holes
TSX50N2 · TSX50N8 · TSX50N2-BT1 · TSX50N8-BT1

enclosed
TSX50S8

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DIMENSIONAL DRAWING

Front panel mount with studs

Front panel mount with holes

Dim in mm.