

# **50 mm TRACKBALLMODULE**

## TRACKBALL FOR REAR PANEL MOUNTING

Sealing IP65 (static); PS/2, USB or phase quadrature output

The GK50 is a high specification keyboard or panel mounted trackball. It is constructed from a glass loaded PBT chassis and benefits from its large diameter shafts for smooth running. The GK50 is sealed to IP65 static (ball in rest). Designed to be panel mounted as part of OEM systems, the GK50 is ideal for demanding applications such as medical equipment, process control, air trafic control and ruggedised keyboards.



GK50-xxxx

## SPECIFICATIONS

IP65 (static) Sealing Casing material Glass loaded PBT Top plate material **ABS** Ball material Phenolic resin Ball colour Black Ball diameter 50,8 mm Weight 270 grams PTFE Seal material Shaft diameter 9,5 mm Tracking force 50 grams nominal Mounting angle Max. 90° to horizontal plane
Lifetime - Ball revolutions
Supply voltage (GK50-4002)
Supply current (GK50-4002)
Storage temperature
Operating temperature
Relative humidity
Vibration

5 Vdc +/- 5%
6 mA typ
-25°C to +80°C
-10°C to +60°C
95% non-condensing
5G, 5-2KHz any plane

## CONNECTIVITY

The **GK50-4502** is **PS/2** compatible. The **GK50-4602** can be plugged into any **USB** port or hub. Both types are supplied with 1,6m long shielded straight cables and external switch cables.

The **GK50-4002** has **phase quadrature output**: X1(Y1) leads X2(Y2) when motion of ball in positive X(Y) direction. No device driver is supplied with the unit. Please use standard available drivers in your operating system. It is supplied with a 10-way connection cable of 35 cm.

## ORDERING INFO

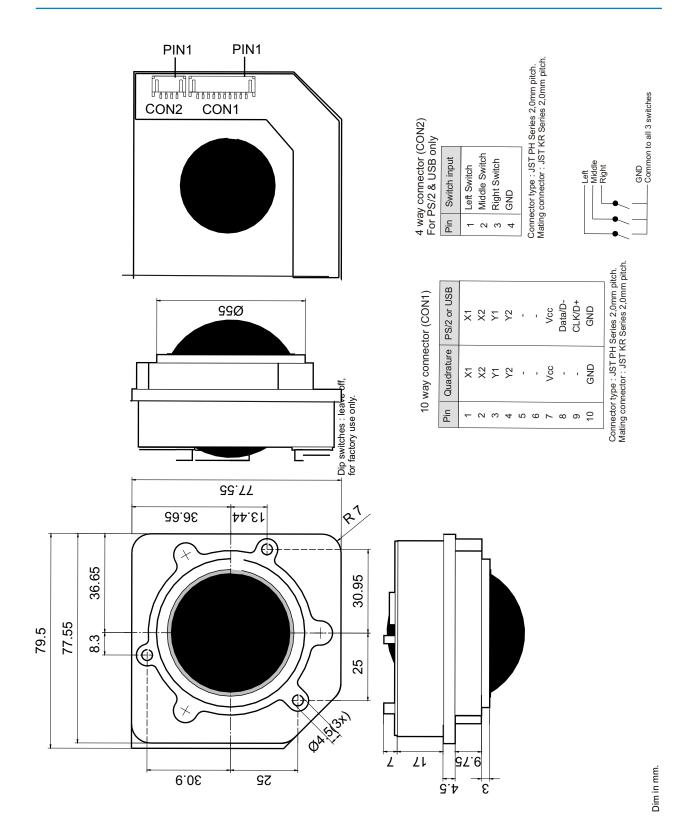
Output	Order Number	Consisting of :
Quadrature	GK50-4002	P50-500230 Trackball module only IC101035 : 35 cm interconnection cable to CON 1
PS/2	GK50-4502	P50-560230 : Trackball module only OC6010160 : 1,6 m shielded cable with 6 pin mini DIN plug IC040035 : 35 cm switch cable (4 wires) to CON2
USB	GK50-4602	P50-560230 : Trackball module only OC5010160 : 1,6 m shielded cable with USB type A plug IC040035 : 35 cm switch cable (4 wires) to CON2

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<sup>\*</sup> Due to the increasing differences of the 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.

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## DIMENSIONAL DRAWING



The company reserves the right to alter without prior knowledge the specification or design of any standard product or service.



NSI bvba, Haakstraat 1A, B-3740 Bilzen, Belgium

Tel.:++32 (0) 89 51 90 00 Website: www.nsi-be.com Fax:++32 (0) 89 51 90 09 E-mail: info@nsi-be.com