

50 mm TRACKBALLMODULE

GK50

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 traffic control and ruggedised keyboards.



SPECIFICATIONS

- Sealing : IP65 (static)
- Casing material : Glass loaded PBT
- Top plate material : ABS
- Ball material : Phenolic resin
- Ball colour : Black
- Ball diameter : 50,8 mm
- Weight : 270 grams
- Seal material : PTFE
- Shaft diameter : 9,5 mm
- Tracking force : 50 grams nominal
- Mounting angle : Max. 90° to horizontal plane
- Lifetime - Ball revolutions : > 2 million
- Supply voltage (GK50-4002) : 5 Vdc +/- 5%
- Supply current (GK50-4002) : 6 mA typ
- Storage temperature : -25°C to +80°C
- Operating temperature : -10°C to +60°C
- Relative humidity : 95% non-condensing
- Vibration : 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.

* 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.

ORDER 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

