



KEY TECHNOLOGY (CHINA) LIMITED

深圳市键特电子有限公司



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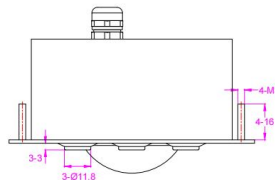
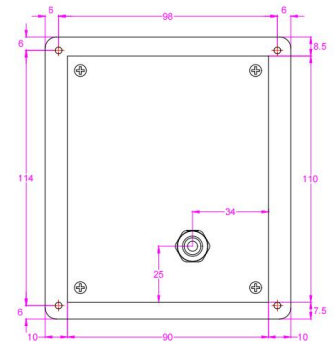
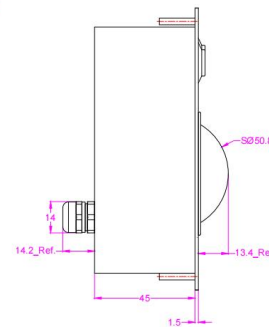
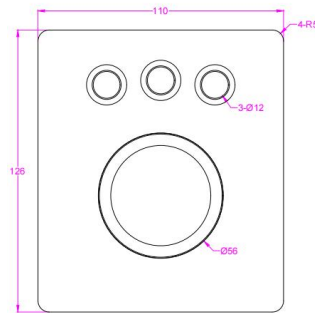
E-mail: info@key-tek.cn, sales01@key-tek.cn

Website: www.key-tek.cn, www.rugged-key.com

Model NO.: K-TEK-B110-50-MTB-AVB-ML-BT

DESCRIPTION: IP65 static vandal proof trackball with 50.8mm military grade mechanical trackball module with black hardened resin ball, with 200~2000DPI resolutions, with sealed 3 metal mouse buttons for left and right clicking, middle scrolling button with ball rolling. 1.5 mm top stainless plate and threaded bolts for top panel mounting solution, high quality scratch-proof black titanium electroplated on front stainless steel and optional keys to withstand salt spray, MIL-STD-810F (wide temperature, shock, salt mist, vibration, fungus, humidity), built to meet -40°C to +75°C for working temperature and strong anti-vibration features.

DIMENSIONS: 110.0mm x 126.0mm (front panel)



APPLICATIONS:

MEDICAL: lab, hospital, clinic, dental, such as carts, diagnostic equipments, operation rooms, dialysis centers etc;

MATERIAL HANDLING: mobile keyboard, data entry, assembly line etc

MILITARY: Army, Navy, Air force

INDUSTRIAL: Industrial automation, pharmaceutical, oil and gas, food and beverage, clean or dirty manufacturing environments, warehouses

MARINE: ship, boat, vessel, navigation consoles etc.

OTHER INDUSTRIES





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Main Features:

1. Emulates most popular mice - uses existing mouse driver and mouse software Interfaces for most workstations and computers.
2. All Metal Mechanicals provide for rugged, smooth, long lasting and no noisy operation.
3. Rate Sensitive Dynamic Resolution provides for accelerated movement of the cursor when the ball is moved fast
4. Retaining one-pixel positioning accuracy when the ball is moved slowly.
5. Can be mounted horizontally, and vertically or any directions.
6. No metal bearings inside, operation is very smooth, and easy without any noise.

Specifications:

MECHANICAL DATA	
Keys	3 keys
Key travel	1.40mm
Actuation Force	2.5N±0.2N
Trackball	50mm black resin mechanical trackball with +400DPI resolutions
Trackball lifespan	> 2 millions scrolling
Protection level	IP65 static
G.W.	0.6KGs
ELECTRICAL DATA	
Supply Voltage	DC +5V±5%
Current Rating	17mA
EMC Standard	EN 55032:2015, EN 55035:2017
Lifespan	> 5 years
Interface	USB, PS2
Cable length	Standard 2.0m, customized length available
OS	All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed).
ENVIRONMENTAL ADAPTABILITY	
Operating temperature	-40°C to +75°C
Storage temperature	-45°C to +85°C
Operating RH	100%
Atmospheric pressure	60-106Kpa
Saline mist	96 hours, IEC 60512-6
Damp heat test at +40°C	21 days, IEC 60512-6
Dry heat test at +85°C	10 days, IEC 60512-6
RELIABILITY	
RoHS, CE, FCC, MIL-STD-810F (wide temperature, shock, salt mist, vibration, fungus, humidity)	
Protection Level	IP65 static





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Key Lifespan	>1 million actuations
MTBF	>20000H
MTRR	<30min
APPLICATIONS	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, UAV ground station etc.

