103 KEY LED BACKLIT KEYBOARD WITH ERGONOMICAL TRACKBALL

IP67 sealing

Keyboard with trackball for the most demanding jobs.
This 103 key backlit keyboard keyboard has a multi-functional layout with separate numerical- and control keypads and integrates a waterproof IP68 sealed ergonomical trackball with scroll wheel.

Keyboard part
- Sealing to IP67
- User-friendly layout with separate numerical-, control- and function keypads
- USB connection

Trackball part
- IP68 sealed waterproof
- Ergonomical design
- 50 mm trackball with hall-effect scroll wheel
- Integrated left, middle and right switch functionality
- Removable ball for easy cleaning
- USB connection

Backlight
- High brightness LED's with fibre optic technology
- Low power LED's warrant for a long life
- No external power supply necessary, keyboard port power sufficient
- Dimmable backlighting at 8 levels by two dedicated keys
- White backlighting as standard, other colours on request
- Customized backlight control by an external DC voltage , PWM signal or potentiometer is available on request

Panel mount version
- Black anodised aluminium carrier
- Front panel mounting by means of M4 threaded studs.
- The rear side components are protected by a covering metal plate
- Dimensions / weight : 214 x 544 x 30/64 mm / 1,7 kg

Enclosed version
- The keyboard is mounted in a robust, high impact polystyrene (HIPS) enclosure
- Dimensions / weight : 217 x 547 x 63/122 mm / 3,2 kg

GENERAL TECHNICAL SPECIFICATIONS

KEYBOARD

Sealing	IP67 sealed
Keys	103 short travel switches, tactile feel switches with 0,3 mm travel and 2,55 N operating force
Output	1.6 m shielded USB cable
Power requirements	Directly from USB port
Operating temp.	-15°C to +60°C
Front layer	Black polyester front layer with embossed keys, scratch and chemical resistant

TRACKBALL MODULE

Ball diameter	Ø50.8mm (2")
Ball material	Epoxy resin, metallic grey
Tracking force	30-80 grams – PTFE seal
Ball load	200N (20Kg) maximum downward pressure for 2 minutes @ 20°C
Resolvable ball speed	30 IPS (inches per second)
Tracking engine	Infra-red optical navigation technology
Removable ring style/colour	Bayonet style locking ring/black

SCROLL WHEEL

Wheel diameter	Ø25mm
Wheel material	PC/ABS
Wheel colour	Grey – various colours available
Encoding technology	Hall effect
Detent-scrolling force	30 grams nominal

MOUSE BUTTONS

Switch actuation force	150 ± 50 grams force

CUSTOMIZATION

Possible customization includes adapted backlighting controls, addition of company logo or specific function keys, different layouts, different colour,...

VER. 1.0

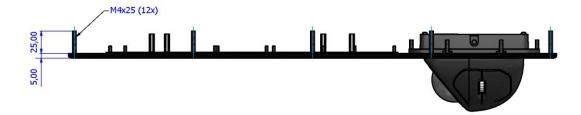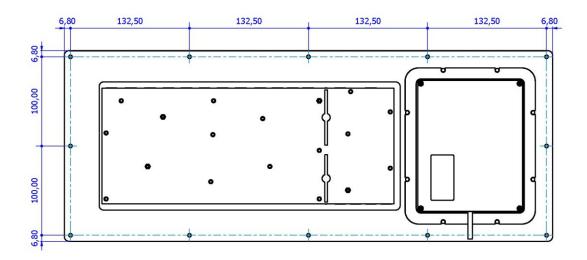# 103 KEY LED BACKLIT KEYBOARD WITH ERGONOMICAL TRACKBALL
IP67 sealing

DIMENSIONAL DRAWING

Panel mount version

COLOURS
Keyboard & Key Background : PANTONE Black 2 C 2X
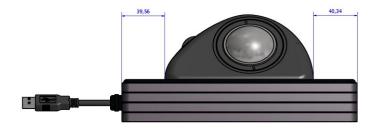Key edges & key legends : white Translucent

VER. 1.0

103 KEY LED BACKLIT KEYBOARD WITH ERGONOMICAL TRACKBALL

IP67 sealing

DIMENSIONAL DRAWING

Enclosed version

COLOURS
Keyboard & Key Background : PANTONE Black 2 C 2X
Key edges & key legends : white Translucent

ORDER INFO

LAYOUT	PANEL MOUNT	ENCLOSED
US Qwerty	**KSME103 B1 USB-WLED**	**KSME103 S1 USB-WLED**
RU Cyrillic	**KSME103 B7 USB-WLED**	**KSME103 S7 USB-WLED**
FR French Azerty	**KSME103 B33 USB-WLED**	**KSME103 S33 USB-WLED**
GE German Qwertz	**KSME103 B49 USB-WLED**	**KSME103 S49 USB-WLED**

USB output
backlighting colour: W = white (standard); R = red, others on request.

VER. 1.0