



#### **Features**

- Completely sealed glass surface
- Can be washed and disinfected, so complies with high hygiene standards
- Compact key layout with integrated touch-pad
- Key sound volume and sensitivity can be set individually
- Integrated key lock function
- Numerous individualisation possibilities
- IP65 protection rating (front)
- Versions available with and without base protection plate

## **Technical Data**

Number of keys: 103

Technology: Capacitive keys Components: Main PCB with

superimposed controller PCB

Pointing device: Capacitive touch-pad (60 x 42 mm)

Protection rating: IP65 (front) Impact protection rate: IK06

Mounting type: Panel mount keyboard attached with

glue (adhesive)

Material: Front panel made of hardened glass

Glass thickness: 3 mm

Dimensions (ADH): 482 x 179 x 22.8 mm

Interface: USB

USB compatibility: compliant with USB 2.0

Operating temperature: 0 °C to 60 °C
Storage temperature: -40 °C to 65 °C
Printing procedure: Silk screen printing

Operating systems: Windows®, MacOSX®, Linux® \*

## Information for ordering:

Cat.Nr.	Product description	Layout	Version
KR23220	TKR-103-TOUCH-ADH-USB-DE	German	without base protection plate
KR23221	TKR-103-TOUCH-ADH-USB-US/EU	US /EU	without base protection plate
KR23223	TKR-103-TOUCH-ADH-USB-FR	French	without base protection plate

Other layouts, confirgurations and interfaces available on request

Subject to modifications and errors

Mittlerer Ring 1 | 08233 Treuen | Germany Tel: +49 37468 660-0 Fax: +49 37468 660-66 E-Mail: info@gett.de Internet: www.gett.de

F-Mail:

E-Mail: info@ info@ www.

Gett Asia Ltd.

info@gett-asia.com www.gett-asia.com

 $<sup>^{\</sup>star}$  If OS and Hardware meet the requirements of USB2.0 compliance.



# TECHNICAL DRAWINGS (in mm):

Long side (without protection plate)



Top view



Cross section when inserting (without protection plate)

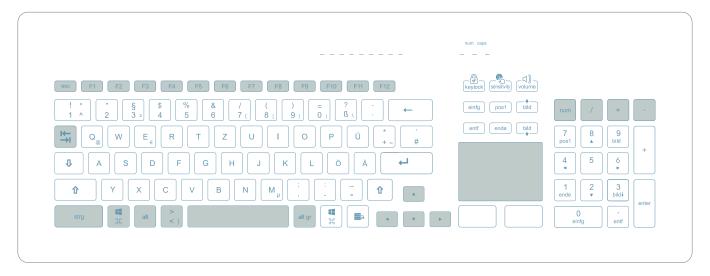


Subject to modifications and errors!

E-Mail: Internet:



#### **KEY FUNCTIONS:**





- Key lock
- Sensitivity setting: 4 levels
- Volume setting: 5 levels
- - 8 LED chain to display the key lock and the settings for sensitivity and volume

#### The sensitivity can be set as follows (ascending):

Level 1	$\circ$	$\circ$	$\circ$		$\circ$	$\circ$	0
Level 2	$\circ$	$\circ$		•	•	$\circ$	0
Level 3	$\circ$	•	•	•	•	•	0
Level 4							•

## The volume can be set as follows (ascending):

Level 1	•	0	0	0	0	0	0	0
Level 2	•	•	0	0	$\circ$	0	0	0
Level 3	•	•		•	$\circ$	0	$\circ$	$\circ$
Level 4	•	•	•	•	•	•	$\circ$	$\circ$
Level 5								

## **KEYLOCK-FUNCTION**

Press the key for approx. 2 seconds. This will cause the status display to flash; when it is permanently green, the keys are locked. To unlock the system, press the key for 2 seconds again and wait until the status LED goes off. The keys are then ready for use again.

## **CLEANING**

You can clean the glass surface with normal cleaning and disinfecting agents. The chemical resistance of the glass surface may vary depending on the concentration of the solution and the particular environmental conditions. We therefore recommend that you carefully check your cleaning and disinfecting agents to see how they affect glass surfaces.

Subject to modifications and errors!

# **IMPORTANT USER INFORMATION**

- ! You may only operate the device without its base protection plate if the keyboard is supported on the edge and the electronics do not touch any other objects.
- ! The electronic components on the rear side of the keyboard must not be touched under any circumstances.
- ! The device (USB interface) must be separated from the computer during the insertion procedure.
- ! Wait at least 5 seconds so that the unit can be calibrated after it has been connected to a computer.

F-Mail·



## RECOMMENDED ADHESIVES FOR INSERTION

Gluing on the non-printed glass side (insertion from rear)

	3M Scotch Weld DP8805NS (liquid)	3M 5952VHB (sticking tape)	3M 4932VHB (sticking tape)
Supporting material	max. load-bearing capicity * (N)	max. load-bearing capicity * (N)	load-bearing capicity * (N)
Wood	130	25	38
Aluminium	450	25	62
Powder-coated metal	43	40	28
Corian	270	26	35
Anodised aluminium	450	30	45
Stainless steel	450	35	71

<sup>\*</sup> Compression force against the direction of insertion; tests conducted in ideal insertion conditions.

Gluing on the printed glass side (insertion from front)

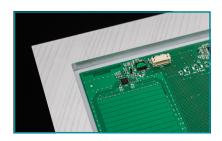
	3M Scotch Weld DP8805NS (liquid)	3M 5952VHB (sticking tape)	3M 4932VHB (sticking tape)
Supporting material	max. load-bearing capicity* (N)	load-bearing capicity * (N)	load-bearing capicity * (N)
Wood	90	19,3	39,1
Aluminium	450	37,2	53,1
Powder-coated metal	55	33,9	22,1
Corian	250	28,5	37,1
Anodised aluminium	450	34,5	57,6
Stainless steel	450	45,5	60,6

 $<sup>^{\</sup>star}$  Compression force against the direction of insertion; tests conducted in ideal insertion conditions.

# INSTALLATION DETAILS

- An expansion joint of at least 0.3 mm mustbe provided right round the glass
- Silicone, acrylic or joint tape must be used as the seal for the joint
- A gap of at least 5 mm must be provided between the circuit board and metal parts, right round the unit and at the rear
- We recommend additional tension relief for the cable









Subject to modifications and errors!

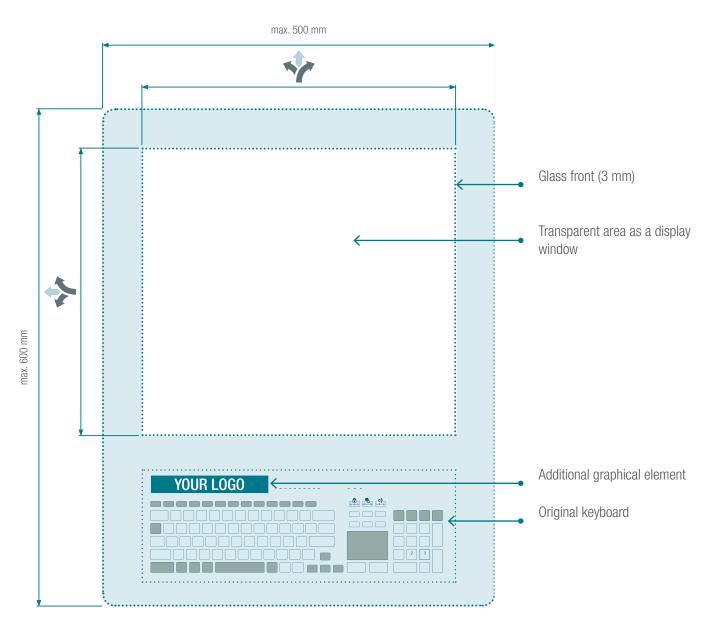
E-Mail:



#### INDIVIDUALISATION OPTIONS AT A GLANCE

- Different front glass size
  - maximum width/length 500 x 600 mm
- Cable shortening
- Individual glass printing (colours similar to RAL/HKS/Pantone)
  - Country layouts
  - Individual operating designs
  - Additional graphical elements (logos, symbols etc.)
- Programming for special key functions hende F

## **CUSTOMISED OPTIONS**



Subject to modifications and errors!

E-Mail:

info@gett-na.com www.gett-na.com