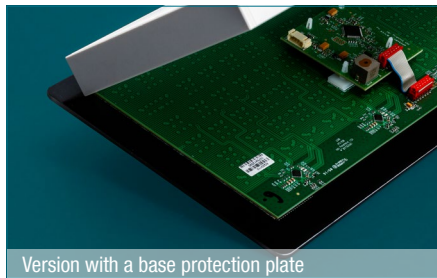


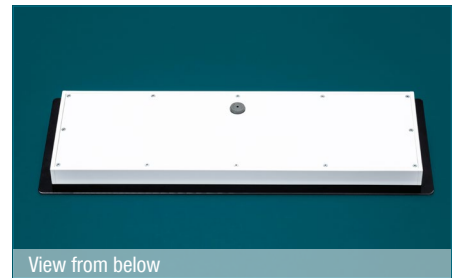
TKR-103-TOUCH-ADH(C)-USB



Integrated capacitive touch-pad



Version with a base protection plate



View from below

- Completely sealed glass surface
- Can be washed and disinfected, so complies with high hygiene standards
- Complete 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 (at the front, if inserted properly)
- Versions available with and without base protection plate

Technical data:

Number of keys: 103
 Technology: capacitive keys
 Electronics: main circuit board + superimposed controller board
 Mouse substitute: capacitive touch-pad (60 x 42 mm)
 Protection rating: IP65 (at the front, if inserted properly)
 Mounting type: panel mount keyboard attached with glue (adhesive)

Material: front panel made of hardened glass
 Glass thickness: 3 mm
 Dimensions: 482 x 179 x 22,8 mm
 Interface: USB
 Operating temperature: 0°C - 60° C
 Storage temperature: -40°C - 65° C
 Printing procedure: silk screen printing
 Operating systems: Windows®, MacOSX®, Linux®

Information for ordering:

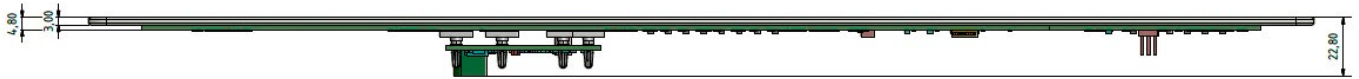
Catalogue number	Product description	Layout / details	Version
KR23220	TKR-103-TOUCH-ADH-USB-DE	German	Without base protection plate
KR23224	TKR-103-TOUCH-ADHC-USB-DE	German	With base protection plate
KR23221	TKR-103-TOUCH-ADH-USB-US/EU	US/EU	Without base protection plate
KR23225	TKR-103-TOUCH-ADHC-USB-US/EU	US/EU	With base protection plate
KR23223	TKR-103-TOUCH-ADH-USB-FR	French	Without base protection plate
KR23226	TKR-103-TOUCH-ADHC-USB-FR	French	With base protection plate

Other layouts, configurations and interfaces available on request.

Subject to change/errors & omissions excepted

TECHNICAL DRAWINGS:

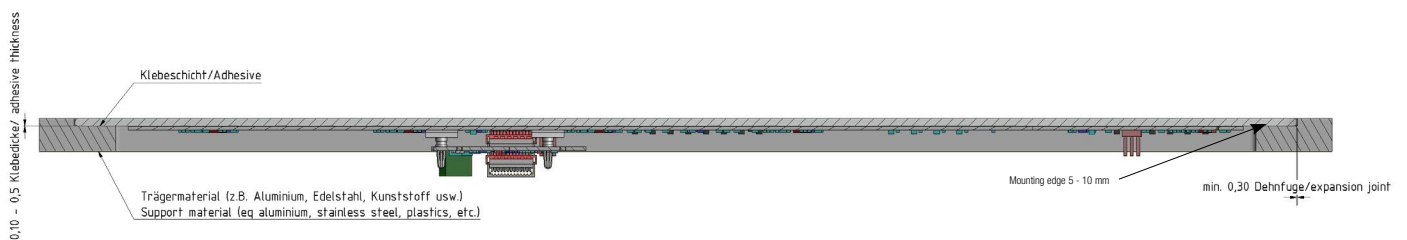
Long side (without protection plate)



Top view



Cross section when inserting (without protection plate)



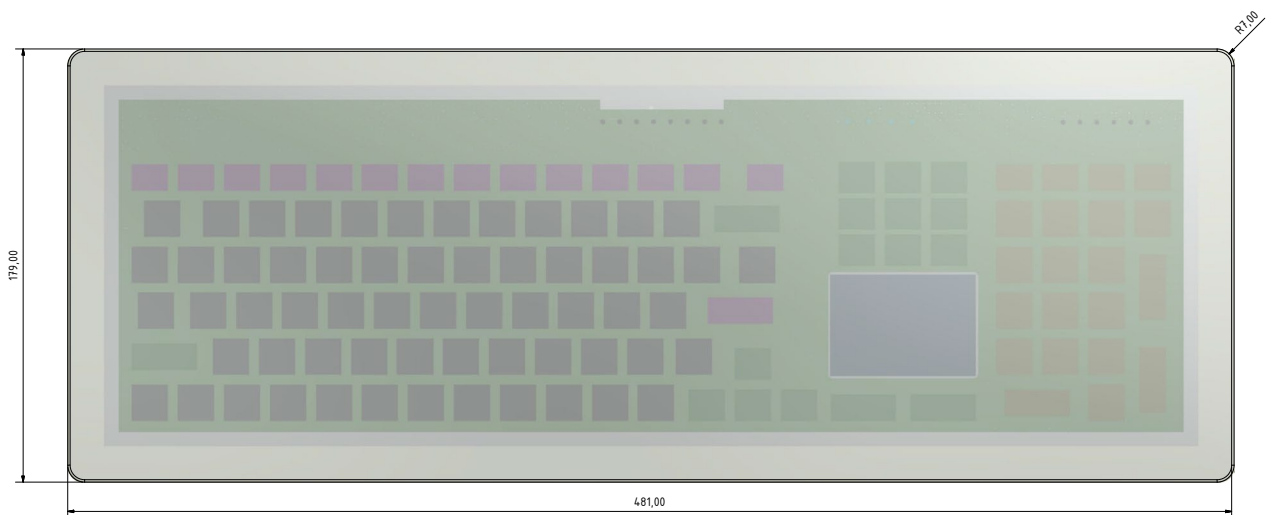
Subject to change/errors & omissions excepted

TECHNICAL DRAWINGS:

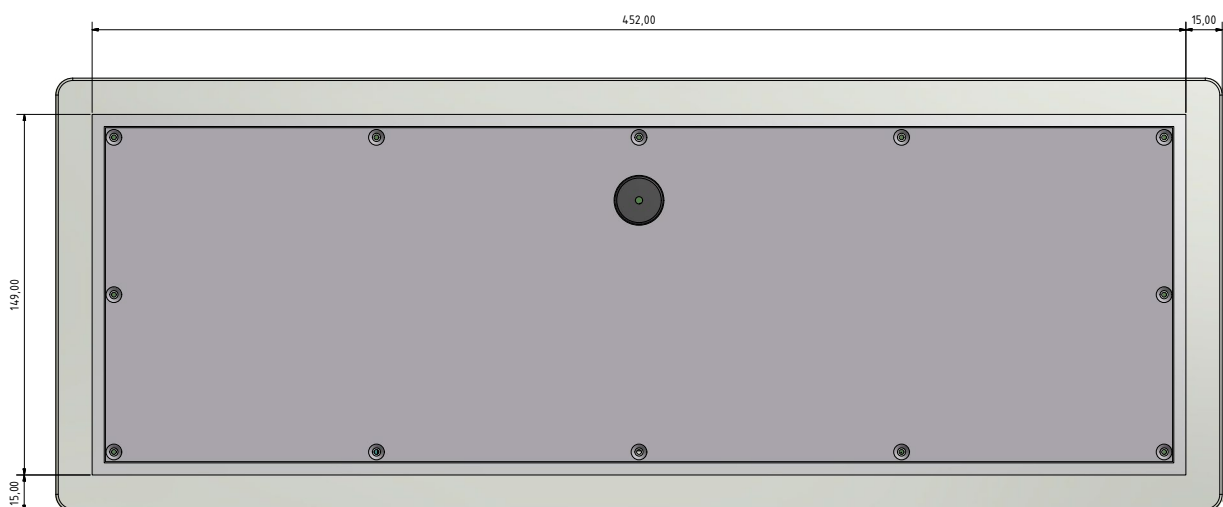
Long side (with protection plate)



Top view

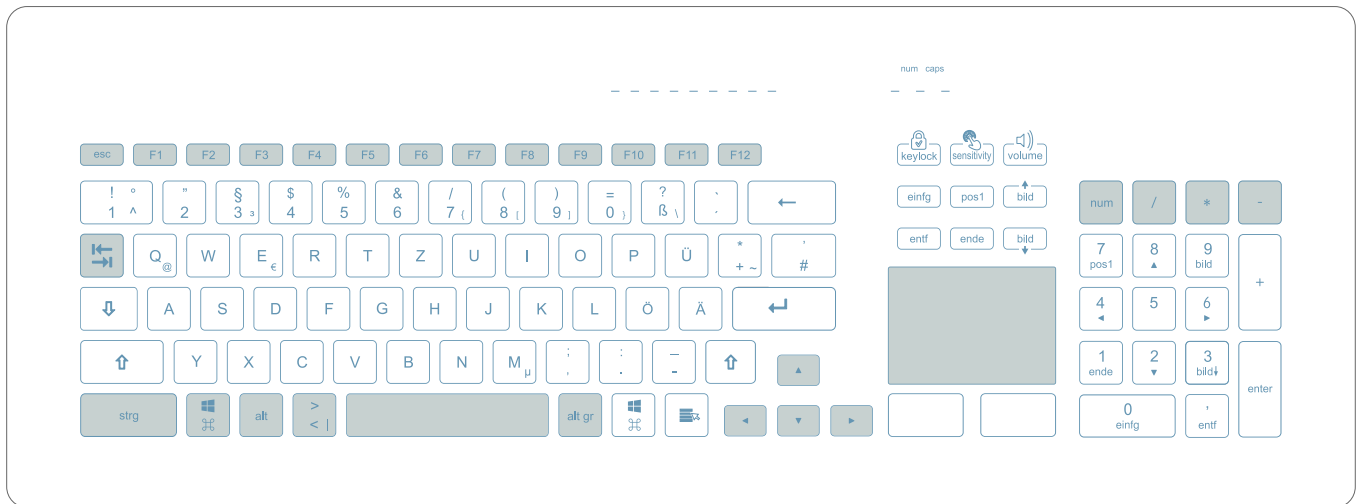


View from below (with protection plate)



Subject to change/errors & omissions excepted

KEY FUNCTIONS:



- Key lock



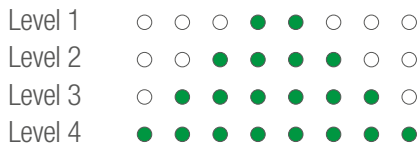
- Sensitivity setting: 4 levels



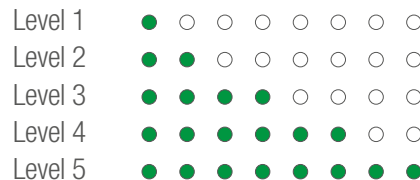
- Volume setting: 5 levels

- - - - 8 LED chain to display the key lock and the settings for sensitivity and volume



The sensitivity can be set as follows (ascending):



The volume can be set as follows (ascending):



KEY LOCK 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.

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.

RECOMMENDED ADHESIVES FOR INSERTION

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

Supporting material	3M Scotch Weld DP8805NS (liquid)	3M 5952VHB (sticking tape)	3M 4932VHB (sticking tape)
	max. load-bearing capacity* (N)	max. load-bearing capacity* (N)	load-bearing capacity* (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

* Compression force against the direction of insertion; tests conducted in ideal insertion conditions.

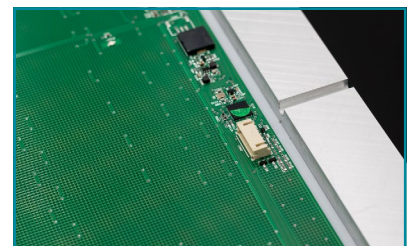
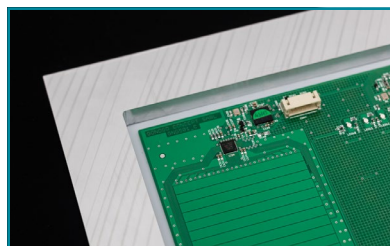
Gluing on the printed glass side (insertion from front)

Supporting material	3M Scotch Weld DP8805NS (liquid)	3M 5952VHB (sticking tape)	3M 4932VHB (sticking tape)
	max. load-bearing capacity* (N)	load-bearing capacity* (N)	load-bearing capacity* (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

* Compression force against the direction of insertion; tests conducted in ideal insertion conditions.

INSTALLATION DETAILS

- An expansion joint of at least 0.3 mm must be 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

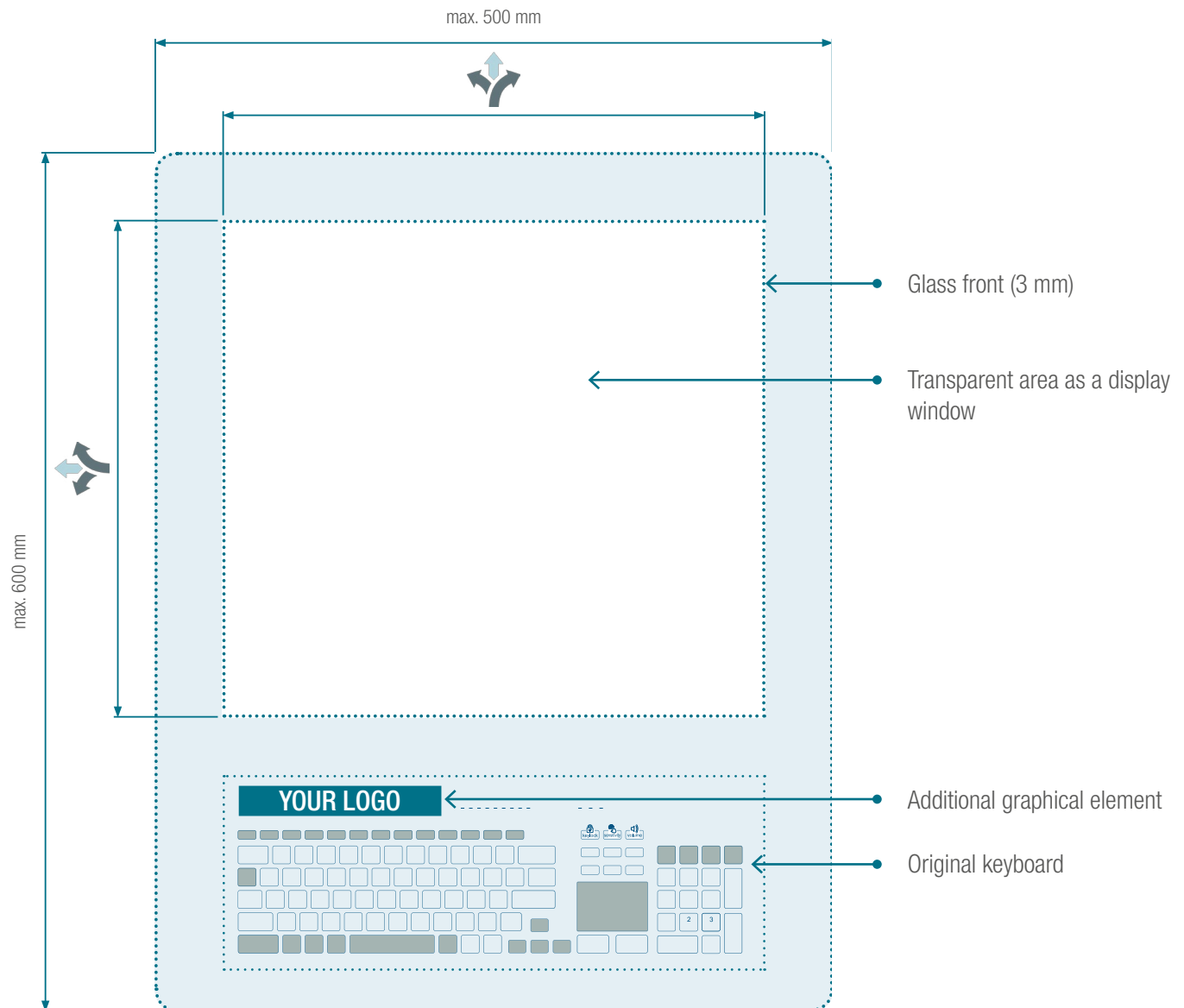


Subject to change/errors & omissions excepted

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

CUSTOMISED OPTIONS



Subject to change/errors & omissions excepted