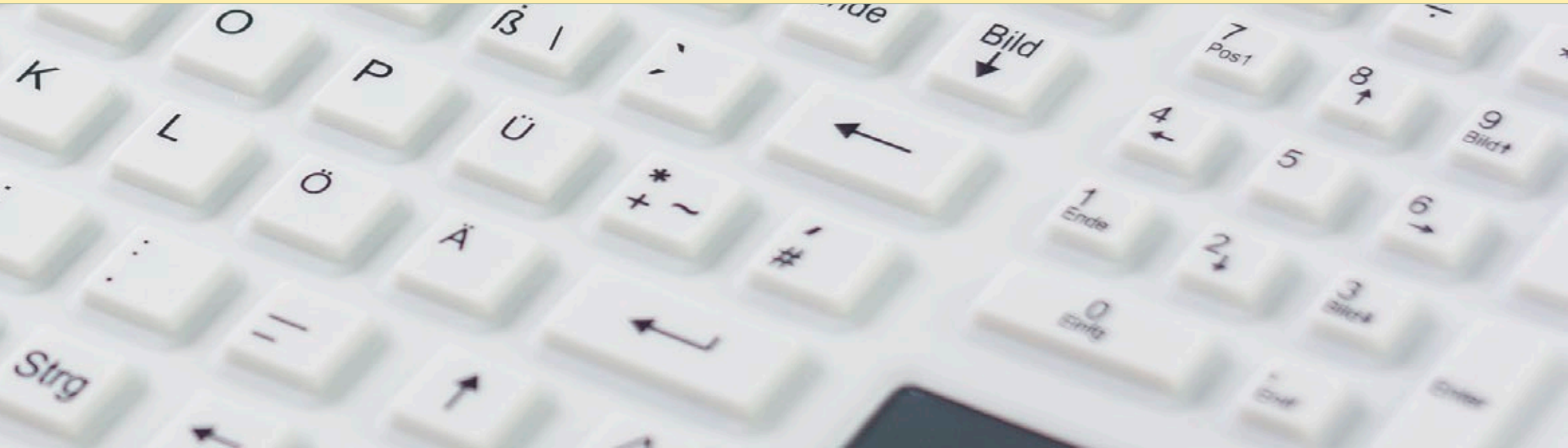# *IP68 Series*

InduProof Series

The keyboards and mice of this category are designed with a closed silicone surface. This completely protects them against liquids and dust, yielding a protection level of IP68. These devices are particularly suited for environments which have to meet high hygienic requirements. These includes hospitals, laboratories and companies which are active in the fields of food and pharmaceutical production.

Another application is clean room environments often found in manufacturers of microelectronic products. As these input devices are completely disinfectable and cleanable, bacteria and germs can be eliminated. In addition, some models possess antimicrobial properties, which actually can attack microbes that are located on the surface and inhibit their growth. The robust construction ensures a long service life. On some models, there is the option of cursor control integrated into the keyboard to provide an alternative to the traditional mouse.

The models of the IP68 family are most commonly used in the following application areas and industries:

- Medical Engineering
- Pharmaceutics
- Chemical Industry
- Food Industry
- Clean Room Applications
- Military

Silicone BasicOne

TKG-084-IP68-GREY

This keyboard impresses with its smooth handling, its space-saving dimensions and a low weight. Thanks to the patented mechanical key module, the keyboard obtains the same comfortable feeling as a conventional office keyboard. The innovation in this scissor balancing technology is the combination of a guided key and an IP68 covering. The closed silicon surface ensures an optimum protection against contaminations. As a result, contaminations can simply be wiped off without entering the spaces between the keys. Thanks to protection level IP68, the device is completely dust- and waterproof and is suitable for the use of standard disinfectants and cleaning agents.

For optimum guidance, the layout is lettered with a large, high-contrast key legend. Since it can be used at operating temperatures between 0 and 70 °C, the keyboard can also be used in particularly rough surroundings. Its construction type and easy handling make the Silicone BasicOne an essential basis in areas sensitive to hygiene such as medical practices, hospitals and clean rooms. As a standard, the keyboard with USB connection is available under the designation TKG-084-IP68-GREY in American layout. The connection cable with USB interface is equipped with bend protection on the cable outlet ensuring high flexibility as well as a long service life of the device.

Cat. No.	Product Description	Pointing Device	Protection Level	Dimensions (mm)	Weight
KG19222	TKG-084-IP68-GREY-USB-US	-	IP68	285 x 150 x 13 mm	530 g

Other layouts, configurations and interfaces on request
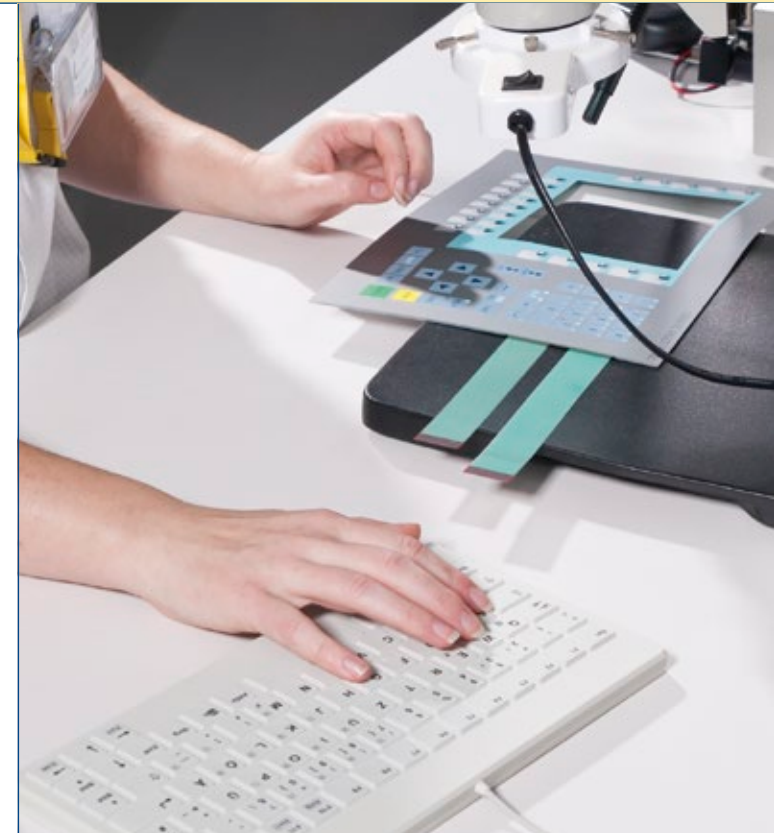
Technical Data

Number of keys:	84
Switching Technology:	Patented Scissor Technology
Switching Force:	< 1.0 N
Switch Travel:	2,2 mm
Housing Design:	Desktop (KGEH)
Housing Material:	Silicone
Operating Temperature:	0 °C to + 70 °C
Storage Temperature:	-25 °C to + 80 °C
Weight:	530 g

The connection cable with USB interface is equipped with bend protection on the cable outlet.
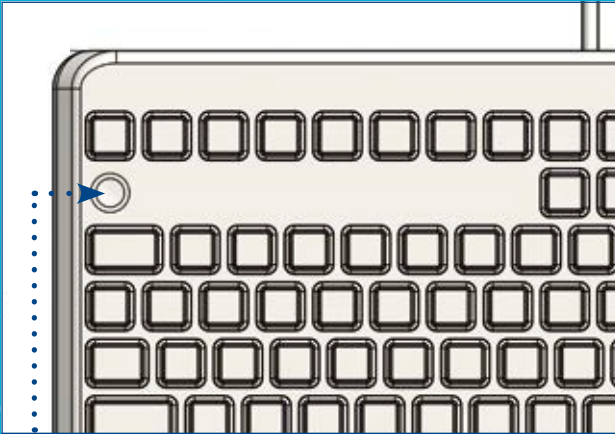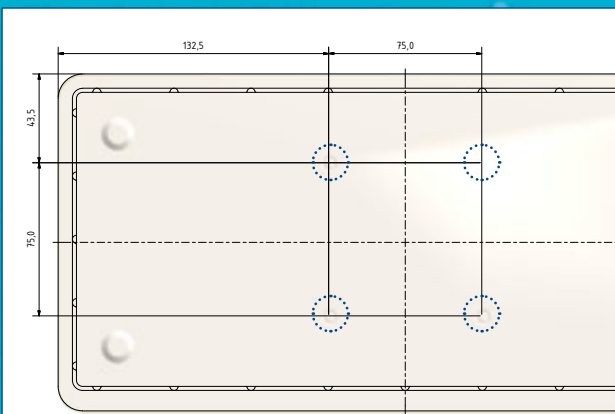

TKG-084-IP68-GREY - compact and flat

INDUPROOF

Advanced

ON/OFF Switch: *This button allows the unit to be disengaged or temporarily powered off, allowing for a complete thorough cleaning, without the need to turn off the rest of the system!*

132,5   75,0

43,5

75,0

InduProof Advanced for VESA Mounting

If needed, boreholes on rear side for VESA mounting (75 x 75 mm) can be accessed by means of „Push-Out" from plastic bottom plate.

TKG-104-MB / TOUCH-IP68-GREY

The models of the new InduProof generation are designed as desktop versions and can be used on any flat surface.
In addition, there are VESA boreholes on the rear side of the housing (in a 75 mm matrix) which allow the user to mount the keyboard to any compatible fixture.

Medical accessory, certified to DIN EN 60601

Technical Data

Number of keys:	104
Switching Technology:	Carbon Contacts
Switching Force:	2.0 N
Switch Travel:	1.0 mm
Switching Cycles:	Approx. 2 Mio. (per key)
Housing Material:	Silicone
Operating Temperature:	0 °C to + 70 °C
Storage Temperature:	-25 °C to + 80 °C

Cat. No.	Product Description	Pointing Device	Protection Level	Dimensions (mm)	Weight
KG17226	TKG-104-MB-IP68-GREY-PS/2-US	Mousebutton	IP68	340 x 165 x 16.3 (18.4)	800 g
KG17204	TKG-104-MB-IP68-GREY-USB-US	Mousebutton	IP68	340 x 165 x 16.3 (18.4)	800 g
KG17224	TKG-104-TOUCH-IP68-GREY-PS/2-US	Touchpad	IP68	340 x 165 x 16.3	800 g
KG17202	TKG-104-TOUCH-IP68-GREY-USB-US	Touchpad	IP68	340 x 165 x 16.3	800 g

Other layouts, configurations and interfaces on request

InduProof *med*

TKG-105-MED-IP68-GREY / BLACK

The silicone surface of this keyboard contains an agent which inhibits the growth of germs. These devices are well suited for use in applications which have heightened hygiene requirements. A coating seals the surface and makes it resistant to biological contaminants.
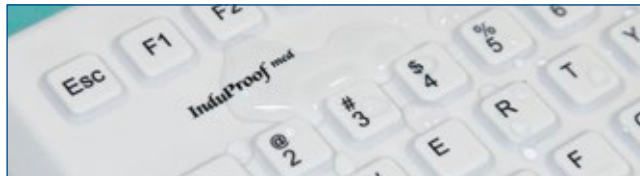
Technical Data

Number of keys:	105
Switching Technology:	Carbon Contacts
Switching Force:	2.0 N
Switch Travel:	1.0 mm
Switching Cycles:	Approx. 2 Mio. (per key)
Housing Material:	Silicone
Operating Temperature:	-20 °C to + 70 °C
Storage Temperature:	-25 °C to + 80 °C
Weight:	1300 g

Cat. No.	Product Description	Colour	Protection Level	Dimensions (mm)	Weight
KG14011	TKG-105-MED-IP68-GREY-PS/2-US	Grey	IP68	385 x 160 x 21	1300 g
KG14013	TKG-105-MED-IP68-GREY-USB-US	Grey	IP68	385 x 160 x 21	1300 g
KG15001	TKG-105-MED-IP68-BLACK-PS/2-US	Black	IP68	385 x 160 x 21	1300 g
KG15003	TKG-105-MED-IP68-BLACK-USB-US	Black	IP68	385 x 160 x 21	1300 g

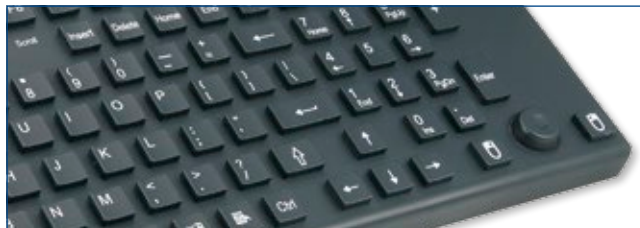Other layouts, configurations and interfaces on request
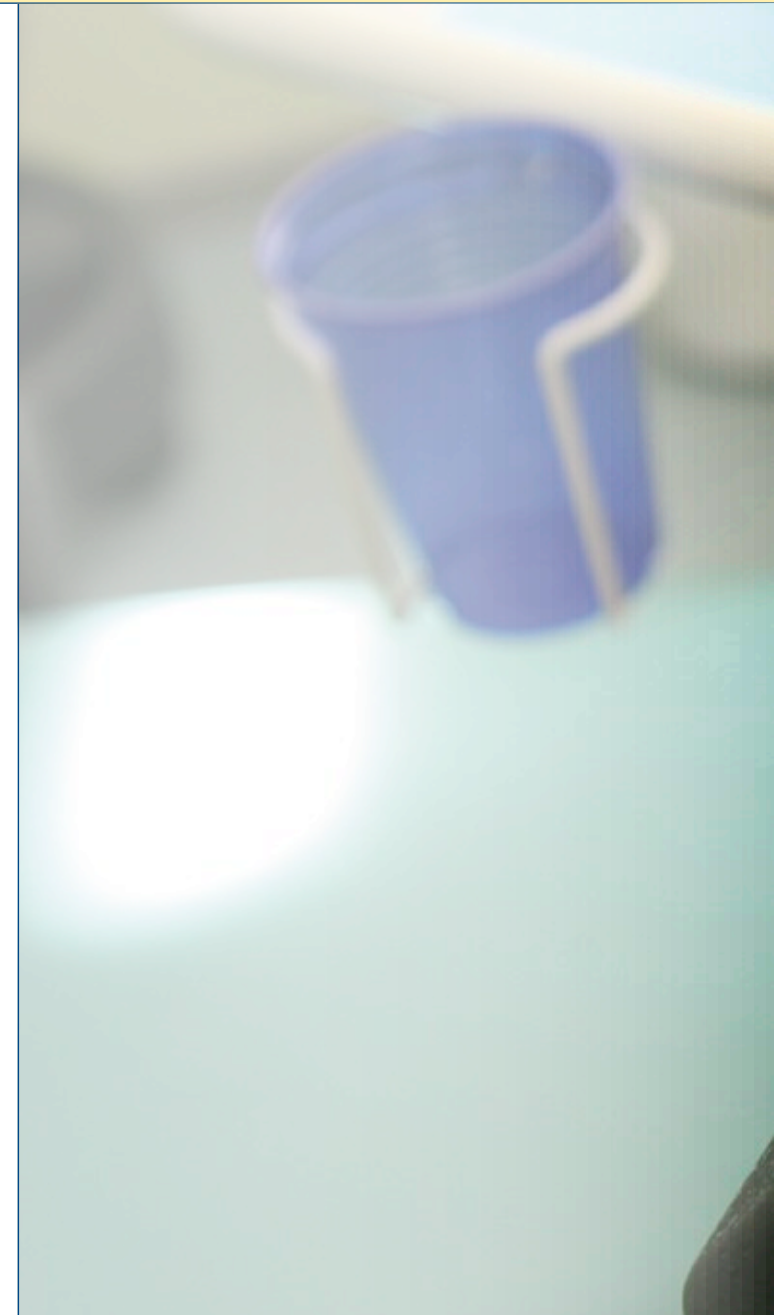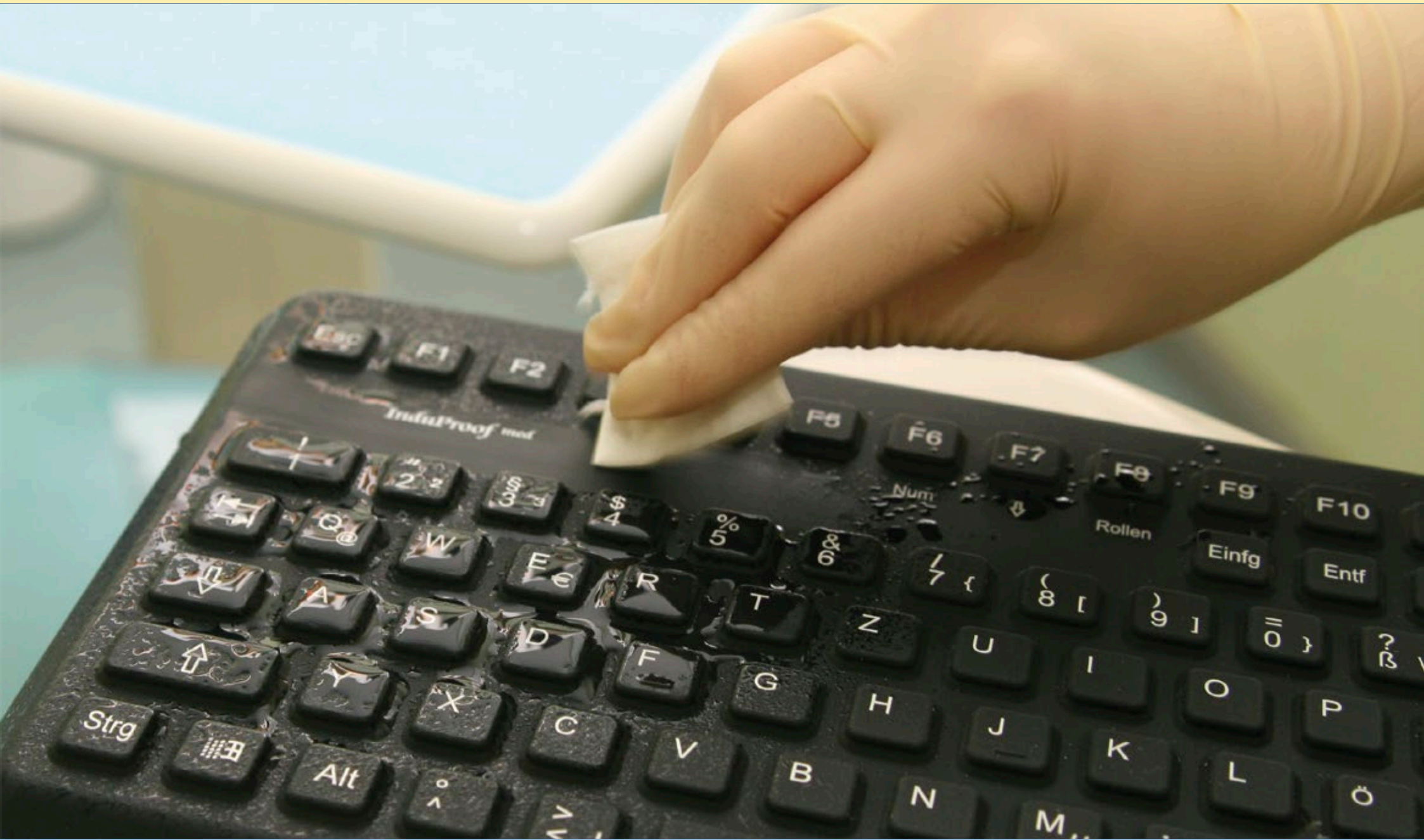
InduProof

| The Basic InduProof | A01 |

TKG-105-MB-IP68-GREY / BLACK

The keyboard InduProof is the basic version of the successful InduProof Series of silicone-covered keyboards.
An integrated mouse button provides precise cursor control.
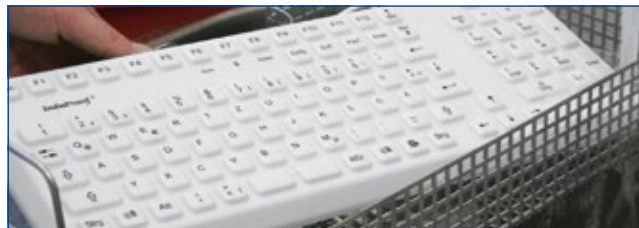

InduProof²

| InduProof² | A02 |

TKG-105-IP68-GREY / BLACK

The InduProof² keyboard is a silicone-covered keyboard in MFII-layout. Flattened key caps and mechanical short travel keys offer a pleasant tactile feedback. For a cursor control solution we recommend the InduMouse.
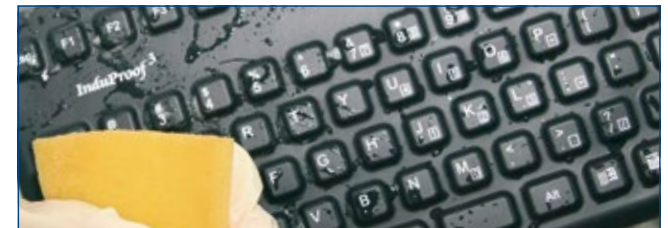

InduProof³

| InduProof³ | A03 |

TKG-086-MB-IP68-GREY / BLACK

The InduProof³ keyboard is the compact version and features an embedded numeric keypad which can be toggled on as required using the [Fn] key at the bottom left corner of the keyboard. It also is equipped with an integrated mouse button, and versions with backlite which is dimmable in eight stages are also available.

Technical Data

	InduProof	InduProof [2]	InduProof [3]
Number of Keys:	105	105	86
Switching Technology:	Short Travel Keys	Short Travel Keys	Gold Plated Domes
Switching Force:	2.6 N	2.6 N	3.0 N
Switch Travel:	0.3 mm	0.3 mm	0.6 mm
Switching Cycles:	Approx. 3 Mio. (per key)	Approx. 3 Mio. (per key)	Approx. 2 Mio. (per key)
Housing Material:	Silicone	Silicone	Silicone
Operating Temperature:	0 °C to + 70 °C	-20 °C to + 70 °C	0 °C to + 70 °C
Storage Temperature:	-25 °C to + 80 °C	-25 °C to + 80 °C	-25 °C to + 80 °C
Weight:	1350 g	1200 g	1000 g
Feature:	-	-	Avail. with backlit function

Pict.	Cat. No.	Product Description	Pointing Device	Protection Level	Dimensions (mm)	Weight
A01	KG09203	TKG-105-MB-IP68-GREY-PS/2-US	Mousebutton	IP68	387 x 146 x 27	1350 g
A01	KG09205	TKG-105-MB-IP68-GREY-USB-US	Mousebutton	IP68	387 x 146 x 27	1350 g
A01	KG01416	TKG-105-MB-IP68-BLACK-PS/2-US	Mousebutton	IP68	387 x 146 x 27	1350 g
A01	KG01418	TKG-105-MB-IP68-BLACK-USB-US	Mousebutton	IP68	387 x 146 x 27	1350 g
A02	KG02003	TKG-105-IP68-GREY-PS/2-US	None	IP68	387 x 150 x 22	1200 g
A02	KG02005	TKG-105-IP68-GREY-USB-US	None	IP68	387 x 150 x 22	1200 g
A02	KG02434	TKG-105-IP68-BLACK-PS/2-US	None	IP68	387 x 150 x 22	1200 g
A02	KG02435	TKG-105-IP68-BLACK-USB-US	None	IP68	387 x 150 x 22	1200 g
A03	KG13001	TKG-086-MB-IP68-GREY-PS/2-US	Mousebutton	IP68	320 x 145 x 22	1000 g
A03	KG13003	TKG-086-MB-IP68-GREY-USB-US	Mousebutton	IP68	320 x 145 x 22	1000 g
A03	KG13005	TKG-086-MB-IP68-BLACK-PS/2-US	Mousebutton	IP68	320 x 145 x 22	1000 g
A03	KG13007	TKG-086-MB-IP68-BLACK-USB-US	Mousebutton	IP68	320 x 145 x 22	1000 g
A03	KG13009	TKG-086-MB-IP68-BACKL-PS/2-US	Mousebutton	IP68	320 x 145 x 22	1000 g
A03	KG13011	TKG-086-MB-IP68-BACKL-USB-US	Mousebutton	IP68	320 x 145 x 22	1000 g

Other layouts, configurations and interfaces on request

IP 68

3

INDUMOUSE

Scroll-keys
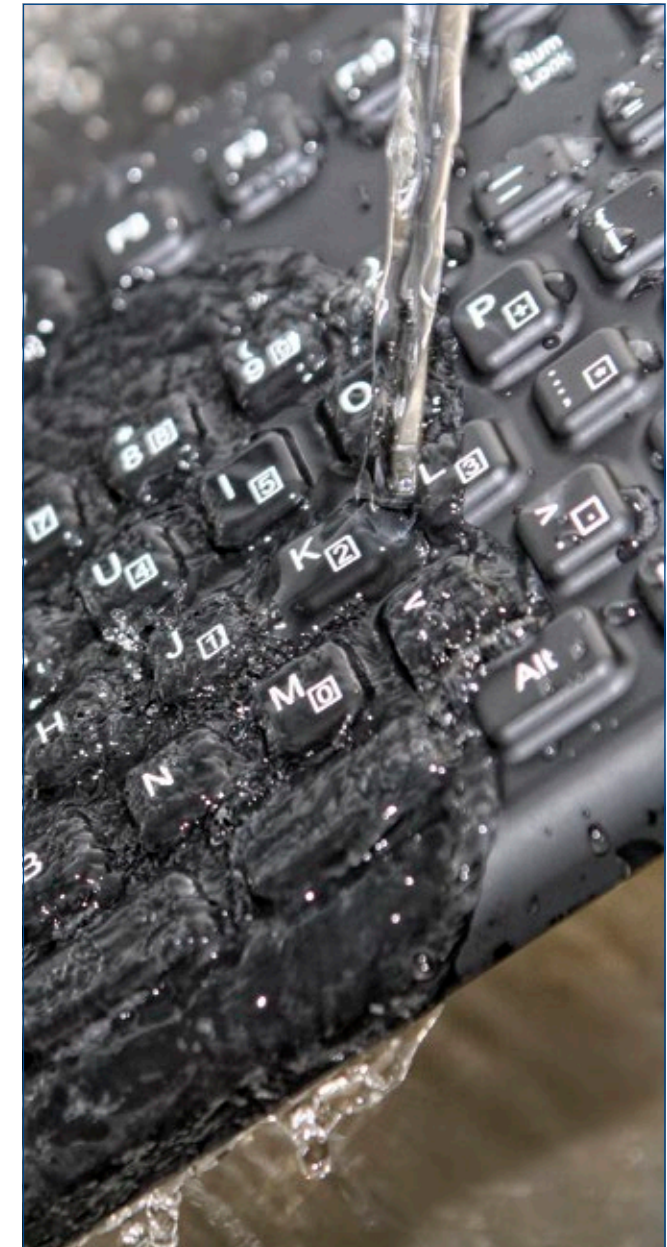
TKH-MOUSE-SCROLL-IP68-LASER

This is the new generation of the InduMouse series. The sculpting of the mouse (thinner in the middle) and curvature for the palm make the ergonomics of this model significantly improved from prior versions. Despite its hygienic properties, the mouse is still light enough to make cursor control comfortable. A unique feature is the integrated vertical scroll function accessible by the three buttons at the front side of the mouse. Even thought this mouse meets IP68 protection standards, (i.e. complete protection against dust and liquids), the new InduMouse still is as easy to handle as a normal mouse. This laser technology permits the use of the mouse on reflecting surfaces such as glass or stainless steel.

Technical Data

Number of Keys:	3
Technology:	Laser
Resolution:	1000 dpi
Protection Level:	IP68
Housing Material:	Silicone
Base plate Material:	Plastic or Aluminium
Interface:	USB
Operating Temperature:	-20 °C to + 70 °C
Storage Temperature:	-25 °C to + 80 °C
Weight:	Plastic 160 g
	Aluminium 210 g

Cat. No.	Product Description	Colour	Protection Level	Base Plate Material	Weight
KH18218	TKH-MOUSE-SCROLL-IP68-GREY-LASER-USB	Grey	IP68	Plastic	160 g
KH19216	TKH-MOUSE-SCROLL-IP68-BLACK-LASER-USB	Black	IP68	Plastic	160 g
KH19226	TKH-MOUSE-IND-SCROLL-IP68-GREY-LASER-USB	Grey	IP68	Aluminium	210 g
KH19224	TKH-MOUSE-IND-SCROLL-IP68-BLACK-LASER-USB	Black	IP68	Aluminium	210 g

Other layouts, configurations and interfaces on request