SIGMATEK

HGW 1033: FLEXIBLE & SAFE

WIRELESS HMI

WIRELESS INTO THE FUTURE
MORE FLEXIBLE, MORE EFFICIENT ... AND THUS SAFE

The cable-free HGW 1033 operating panel, increases flexibility in monitoring and controlling within production processes. The operator can get extremely close to the machine and keep the process clearly in view. Thanks to the wireless technology, the tripping hazard posed by long HMI cables has been eliminated. A 10.1" high-resolution multi-touch display makes operating even more intuitive.

Wireless machine operation
For the industrial wireless operating solution, SIGMATEK uses a 2-component system consisting of the HGW 1033 and the base station BWH 001. Both units are equipped with high-performance EDGE2 Technology processor, which enables sophisticated visualization and operating applications. The base station also serves as a gateway with docking and charging functions. To ensure the quality of the signal transmission in the machine environment, the 2-component system communicates on two frequencies (2.4 GHz and 5 GHz) with separate antennas.

Efficient: one panel for multiple machine and system components
With only one panel, multiple processing cells can be comfortably operated since, unlike the cable-connected device, it does not have to be reconnected every time.

Safety to go
The wireless HMI is also available with Safety elements. This provides the required Safety for the machine operator in an industrial environment. In the TÜV-certified HW 1033-3, an active illuminated emergency stop, confirmation switch and key switch are integrated into the grip unit.

SPECIALS

Rotating operation
While in setup mode, do not leave your machine unattended. An optional rotary encoder on the HGW enables almost blind operation.

All-around protection
With the optionally available all-round edge protection, your mobile HMI is well equipped for harsh industrial environments and has an extended fall height.

MAXIMUM OPERATING FREEDOM
Unrestricted and flexible operation directly on-site
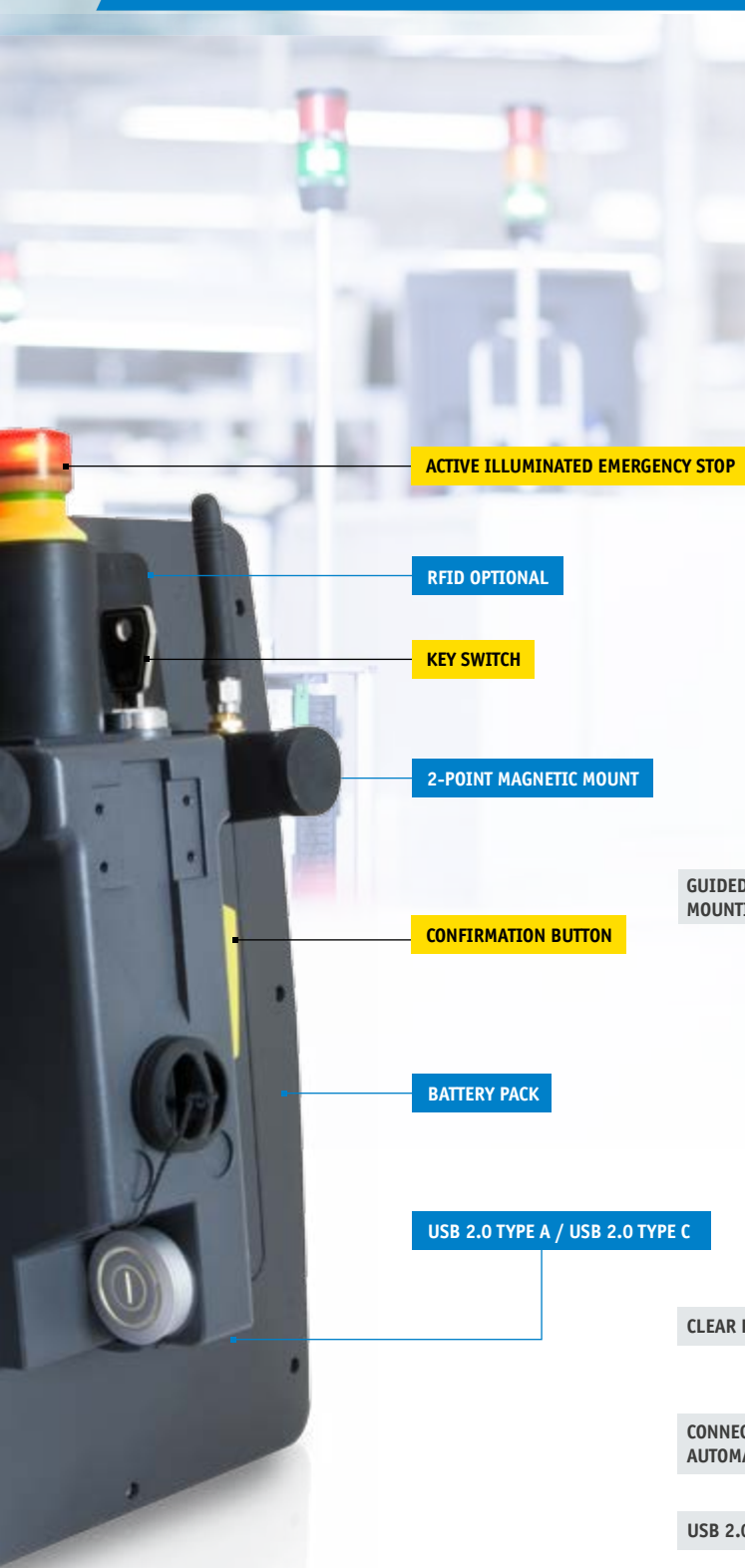
INTUITIVE MULTI-TOUCH
Operating comfort with 10.1" multi-touch glass display (800 x 1280 px)

OPEN AND SAFE
Fit for the future with OPC UA communication, integrated Safety available

COST SAVING
One panel for multiple machine and system components

ACTIVE ILLUMINATED EMERGENCY STOP

RFID OPTIONAL

KEY SWITCH

2-POINT MAGNETIC MOUNT

CONFIRMATION BUTTON

BATTERY PACK

USB 2.0 TYPE A / USB 2.0 TYPE C

HGW 1033-3

SIGNAL LIGHT

GUIDED MAGNETIC MOUNTING POINTS

CLEAR PICTOGRAMS

CONNECTOR PLUGS FOR AUTOMATIC CHARGING

USB 2.0 TYPE C

ETH FOR THIRD-PARTY SYSTEMS (M12)

ETH FOR CONTROL (M12)

BWH 001

Safety at a Glance

The base station is coupled via optical feedback. The operating panel's 7-segment display clearly shows to which machine or system section the HGW 1033-3 is connected. An active-illuminated emergency stop switch gives the operator the certainty that the Safety elements are correctly connected into the system.

TECHNICAL DATA			
WIRELESS PANEL	**HGW 1033***	**HGW 1033-3**	**HGW 1033-32***
ARTICLE NUMBER	12-246-1033	12-246-1033-3	12-246-1033-32
	■ 10.1" Multi-touch display (PCT) ■ Resolution 800 x 1280 px ■ EDGE2 Technology dual-core processor ■ WLAN 2,4/5 GHz ■ 1x USB 2.0 Type A, 1x USB 2.0 Type C ■ Integrated battery 3780 mAh ■ Dimensions 226 x 266 x 76 (W x H x D) ■ Weight 1.27 kg ■ Real-time operating system Salamander and visualization runtime system included	■ 10.1" Multi-touch display (PCT) ■ Resolution 800 x 1280 px ■ EDGE2 Technology dual-core processor ■ WLAN 2,4/5 GHz ■ 1x USB 2.0 Type A, 1x USB 2.0 Type C ■ Emergency stop with illuminated status indicator, confirmation switch, key switch, SIL3/PLe ■ Integrated battery 3780 mAh ■ Dimensions 226 x 276 x 76 (B x H x T) ■ Weight 1,35 kg ■ Real-time operating system Salamander and visualization runtime system included	■ 10.1" Multi-touch display (PCT) ■ Resolution 800 x 1280 px ■ EDGE2 Technology dual-core processor ■ WLAN 2,4/5 GHz ■ 1x USB 2.0 Type A, 1x USB 2.0 Type C ■ Emergency stop with illuminated status indicator, confirmation switch, key switch, SIL3/PLe ■ 3 rotary encoder ■ Integrated battery 3780 mAh ■ Dimensions 226 x 276 x 96 (B x H x T) ■ Weight 1,39 kg ■ Real-time operating system Salamander and visualization runtime system included
BASE STATION	**BWH 001**		
ARTICEL NUMBER	12-246-001		
	■ WLAN 2.4/5 GHz ■ 2x Ethernet ■ 1x USB Type C ■ Signal light that blinks when the operating device is logging on for safe use		

* on request

HGW 1033-3

BWH 001

Ethernet TCP/IP

System S-DIAS with Safety

IoT Gateway

CLOUD SERVICES

OPC UA
Ethernet TCP/IP

Third-party system

External Communication

UPC UA Client / Server
VNC Client / Server
WEB Client / Server
FTP-Protocol

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