

Article Number and Miscellaneous

Artikel number	01-245-1053-3	
Connector cable	optionally available	
Operating system	Gecko	
Approvals	CE	yes
	UL	cULus (E247993)
	Functional Safety	yes
	UKCA	no
Mission time	20 years	

Environmental Conditions

Storage temperature	-10 ... +70 °C	
Environmental temperature	0 ... +50 °C	
Humidity	10-95 %, non-condensing	
Installation altitude above sea level	0-2000 m without derating > 2000 m up to a maximum of 5000 m with derating of the maximum environmental temperature by 0.5 °C per 100 m	
Operating conditions	pollution degree 2	
EMC resistance	EN 61000-6-2 (industrial area) (increased requirements according to EN IEC 62061)	
EMC noise generation	EN 61000-6-4 (industrial area) EN 61000-6-3 (residential area)	
Vibration resistance	EN 60068-2-6	3.5 mm from 5-8.4 Hz 1 g from 8.4-150 Hz
Shock resistance	EN 60068-2-27	15 g (147.15 m/s²)
Protection type	EN 60529 protection through housing	IP54 (only with all protective in place)
Free fall (with rough handling)	DIN EN 60068-2-31	1000 mm
Free fall (with packaging)	IEC 60068-2-32	1000 mm

Notes

Wireless Handheld Operating Panel 10.1"

HGW 1033



In combination with a BWH 001 base station, the HGW 1033 is a wireless, intelligent manual operating unit with emergency stop function that enables the programming, visualization and diagnosis of processes and systems control.

The HGW 1033 can be coupled with machines via base stations, which allows the flexible application of the operating station.

The interfaces can be used to configure the terminal. The integrated battery pack enables 2 hours of operation at full capacity.

The output is shown on a 10.1" WXGA TFT color display.

Performance Data

Processor	EDGE2 Technology
Processor cores	2
Internal cache	32 kByte L1 Instruction Cache 32 kByte L1 Data Cache 512 kByte L2 Cache
Internal program and data memory (DDR3 RAM)	2048-Mbyte
Internal remnant data memory	512-kbyte MRAM
Internal storage device	1-Gbyte microSD card
Internal I/O	no
Battery	4170 mAh Lithium-Ion Runtime: > 2 h continuous operation with new battery Charge/status display via the on/off button
Charging time	3 h via USB-C as well as base station at 25 °C with a rising temperature and active use of the device, the charge time may increase
Interfaces	1x USB 2.0 Type-A (Host) 1x USB 2.0 Type-C (Dual Role Port, charging) 1x WLAN dual-band (2.4 GHz, 5 GHz simultaneously)

Internal interface connections and devices	1x TFT color display 1x USB (touch connection)
Control Elements	Touch screen (multi-touch, projective capacitive) 1x illuminated on/off button (with application interface)
Display Resolution	10.1" TFT color display, 16:10, portrait mode WXGA 800 x 1280 pixels
Status LEDs	2x front (controllable via application) 1x rear (boot status/controllable via the application) 1x normally open gate (shows power and charge status)
Signal generator	yes (at least 83 dB at 30 cm)
Real-time clock	yes (buffered circa 3 days via internal battery)
Temperature sensors	4 (2x LP, 1x CPU, 1x battery)
Cooling	passive (fanless)
Input voltage measurement	yes

Electrical Requirements

Charging voltage magnetic connector	typically +19 V DC	
	minimum +15 V DC	maximum +24 V
Charging current	via base station: up to 2.5 A at 15.5 V	
USB host current load	maximum 0.5 A	

Display

Type	10.1" TFT LCD color display
Active range	135.6 (V) x 216.96 (H) mm
Resolution	WXGA 800 x 1280 pixels
Color depth	18-bit RGB (16.7 million colors)
LCD mode	normal black
LCD polarizer	transmissive
Pixel size	0.1695 x 0.1695 mm
Backlighting	LED, adjustable
Contrast	typically 800 : 1
Brightness	typically 300 cd/m²
Angle CR ≥ 10	85° from all sides