

Handheld Control Panel 10.4"

HBG 1011



The HBG 1011 is a handheld control panel for visualizing processes. Process diagnosis, operating and monitoring functions are therewith simplified.

A touch screen serves as the input medium for process data and parameters.

The output is shown on a 10.4" XGA TFT color display.

Performance Data

Interfaces	1x HMI-Link 1x USB 2.0 Type A 1x Safety Interface (safety specific)
Internal interface connections and devices	1x TFT color display 1x touch
Control panel	touch screen (analog resistive) emergency stop switch (2 normally closed) confirmation switch (2 normally open, 3-stage) key switch (2 normally open)
Display	10.4" TFT color display 1024 x 768 RGB

Electrical Requirements

Supply voltage	typically +24 V DC (PELV)	
	minimum +24 V DC (PELV)	maximum +30 V DC (PELV)
Supply voltage (UL)	+24-30 V DC (NEC Class 2 or LVLC)	
Current consumption Power supply +24 V	typically 550 mA (without externally connected devices)	maximum 750 mA (with externally connected devices)
Inrush current	maximum 9 A for 1 ms	
USB current load	maximum 0.5 A	

Terminal

Dimensions	264 x 226 x 73.3 mm (W x H x D) (without Emergency Stop switch/key switch)
Material	housing: PC/ASA color: RAL7024
Weight	typically, circa 1.1 kg without connector cable

Display

Type	10.4" TFT LCD color display
Resolution	XGA 1024 x 768 pixels
Color depth	18-bit RGB (262K colors)
LCD mode	normal black
LCD polarizer	transmissive
Pixel size	0.0685 mm x 0.2055 mm
Backlighting	LED
Contrast	typically 1000 : 1
Brightness	typically 350 cd/m²
Angle CR ≥ 10	left and right 88°, above 88° and below 88°

Terminal

Connection technology	M16 plug
	special connector cable minimum bend radius: 147 mm

Article Number and Miscellaneous

Article number	12-245-1011
Hardware version	1.x
Connector cable	optionally available
Standard	UL 508 (E247993)

Environmental Conditions

	Storage temperature	-10 ... +60 °C	
	Environmental temperature	0 ... +45 °C	
	Humidity	10-90 %, non-condensing	
	Operating conditions	pollution degree 2 altitude up to 2000 m	
	EMC stability	EN 61000-6-2, EN 62061: EMC resistance EN 61000-6-4: noise emission	
	Shock resistance	EN 60068-2-27	150 m/s²
	Vibration resistance	10 m/s²	
	Protection type	EN 60529	IP54 (with USB cover only)
	Free fall (without packaging)	DIN EN 60068-2-31	500 mm