KeTop T150 / T155 safe wireless
Handheld terminal

Product features

- Selectable safe working area
- Extremely short reaction times
- Controller independent
- Free choice of application
- Platform independent
- Multitouch screen
- Landscape and portrait version

Concept
TUV
approved

Short description

The series of the safe wireless products KeTop T150 (portrait version) and T155 (landscape version) combines user experiences from the high-end smartphone world like connectivity and multitouch use with safe machine operation. With KeTop T15x security solutions can be realized without any restrictions. Any (safety) control can be used due to discrete safety outputs. Even retrofit solutions can be accomplished.

A separation between data and safety signals provides stability. Enjoy operation without interruptions, thus highly available safety functions thanks to their transmission via Bluetooth. A densely used radio environment does not lead to any restrictions and guaranteed reaction times.

An optional effective range restriction prohibits operation in areas in which danger cannot be seen any more whilst the radio link still exists. It warns the operator or triggers an emergency stop if the defined threshold is exceeded. Thanks to Windows 10, multitouch and optional HMI-Software, any options for integration are feasible. Concentrate on the machine functions and trust in a safety-TUV-Rheinland-certification as well as in country-specific (Europe, Japan, USA and Canada) radio certifications. (Series 2020)

Display	
Type	TFT
Size	10,1" (16:10)
Resolution	WXGA 800 x 1280 pixels (portrait version) / 1280 x 800 pixels (landscape version)
Touchscreen	Projective capacitive
Backlight	LED

Operating elements	
Membrane keyboard	Max. 30 buttons, 6 LEDs, up to 14 motion buttons
Selection switch	2 or 4 levels
Rotary encoded switch	16 levels
Key switch	2 or 3 positions
Push button	No-detent / detent
Characteristics	KEBA standard

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Safety elements	
Safety category	Safety category SIL 3 in accordance with IEC 61508 and Category 4 / PLe in accordance with ISO 13849

Processor data	
CPU	Intel Celeron N-Series
Cores	DualCore
GPU	Intel HD Graphics
Working memory	8 GB RAM (DDR3L)
Main memory	Starts with 32 GB

Interfaces	
Communication	Visualization data: WLAN 2,4GHz or 5GHz, IEEE 802.11ac/a/b/g/n, Safety-data: Bluetooth 4.2 BLE
Transfer	USB 2.0, RFID optional
RFID transponder	Pairing/ Unpairing distance: 10 cm
Motion output	14 DO (Keys- and/or control elements)

General	
Power supply	24 V DC
Protection rating	IP65
Certification	CE, TUV Rheinland, TUV Rheinland of North America, FCC/IC
System components	Handheld terminal, Base station, charging station
Accessories	Extension battery (7000 mAh), wall mount
Directives	Machinery Directive 2006/42/EC, RED Directive 2014/53/EU, RoHs Directive 2011/65/EU

Dimensions, weight	
Dimensions LxWxH	215 x 284 x 69 mm / 272 x 227 x 69 mm
Weight	approx. 1.400 g with battery
Internal battery capacity	3500 mAh (2-4 hours)

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