



KeTop T20

A lightweight for mobile operation

The compact KeTop T20 impresses with excellent ergonomics and low weight, which facilitates fatigue-free operation and teach-in by both right- and left-handed users for extended periods of time. With the KeTop T20 eco and the KeTop T20 techno, two versions with attractive price-performance ratio are available.

KeTop T20 eco

The lightest handheld operating device

The KeTop T20 eco features a tactile membrane keyboard, weighs less than half a kilogram and offers high performance for price-sensitive, mass-market applications.

Extensive customization options for visualization, keyboard and operating elements make possible a wide range of applications. Specially optimized keyboard variants are available for use on CNC machines and for robotics.



KeTop T20 techno

Fully flexible thanks to LCD keyboard

In addition to the low weight, the tactile, freely designable smart keypad is the highlight of the KeTop T20 techno. Located behind every single button is an LCD, allowing each button to be individually customized in appearance and function.

An unlimited number of individual keyboard layouts - independent of languages and symbols - are possible thanks to this innovative technology. Customizing to batch size "1" can easily be implemented, conventional labeling strips are replaced.

The dynamic display and hiding of needed and unneeded buttons enables efficient user guidance. The learning curve for users is thereby greatly simplified, and possible operating errors are minimized. Keyboard layouts can simply be adapted to the respective operating situation.

With the KeTop T20 techno, there is also more display area available for the actual visualization since the operating fields that are often dynamically displayed on the edge of screens for button assignment can be depicted using the LCD keyboard.

The keyboard layouts are created in a user-friendly manner on a PC in the KeView KeyEdit software using Drag & Drop.

KEBA®

Automation by innovation.

KeTop T20 – lightweight, handy and versatile

Technical data

Display

- Size: 3.4" (16:9)
- Resolution: WQVGA 480 x 272 pixel
- Touchscreen: analog resistive

Keyboard

- KeTop T20 eco:
membrane keyboard, 36 tactile keys, 4 LEDs
- KeTop T20 techno:
smart keypad LCD keyboard, 28 tactile keys

Operation elements

- Selection switch: 2, 4 or 16 levels
- Key switch: 2 or 3 positions
- Push button: no-detent / detent
- Hand wheel: optionally only for KeTop T20 eco,
magnetic locking, 100 impulses/rotation

Safety elements

- 3-level enabling switch (3 levels, 2 channels,
B10d = 1,000,000)
- Emergency stop button (2 channels, B10d = 250,000)
- Safety category PLe according to EN 13849-1 resp.
SIL3 according to EN 61508

Processor

- ARM Cortex A8

Memory

- 128 MB Flash, 128 MB SDRAM

Overview of the available operating and safety elements



Communications interface

- 1 x Ethernet 10/100 Mbit/s, 1 x RS-422-A / RS-232-C

Data back-up

- USB 2.0 (for KeTop T20 eco only as option)

Power supply

- 24 V DC

Power consumption

- KeTop T20 eco: 6 W
- KeTop T20 techno: 7,7 W

Housing

- LxWxH: 226 x (82-162) x 55 mm
- Weight:
KeTop T20 eco: 480 g
KeTop T20 techno: 520 g
- Color: RAL 7016 Anthracite grey
- Material: ABS-PC
- Protection class: IP65

Ambient conditions

- Operating temperature: 0 °C to 45 °C
- Storage temperature: -20 °C to 70 °C
- Relative humidity: 5% to 95% (non-condensing)
- Vibration resistance / shock-proof
according to EN 61131-2

Certifications

- UL, CE

Options

- Magnetic holder, wall mount (various)
- Cable 2.5 / 5 / 7 / 10 / 15 / 20 m
- Connection box IP20
- KeyEdit software (only for KeTop T20 techno)

Directives

- Machine directive 2006/42/EG
- EMV directive 2004/108/EG
- RoHs directive 2011/65/EU

KEBA[®]

Automation by innovation.