

KeTop T20N

Lightweight, ergonomic
and cost-efficient



The compact KeTop T20N impresses with its low weight, ergonomic design and comfortable operation for both right- and left-handed users. This enables fatigue-free working even during prolonged periods of use. At the same time, it offers a cost-effective solution with an attractive price-performance ratio.

KeTop T20N – the lightweight handheld operator panel

With its tactile membrane keypad, a weight of less than 500 grams and the integrated handwheel, the KeTop T20N is ideal for cost-sensitive applications. It is particularly suitable for use on machine tools and similar machine concepts where compact design, operating comfort and functionality are required.

Easy integration, flexible application

Thanks to prepared communication interfaces, keys, LEDs and optional operating elements can be connected quickly and easily via different protocols. The handwheel can also be integrated easily using a differential quadrature signal (TTL). This provides a high degree of flexibility for a wide range of machine and operating concepts.

Maximum freedom for your visualization

Create your own customized visualization directly on our Linux platform – or alternatively use our integrated lightweight solution. Simple text information can also be transferred to the device via the CNC control system.

Universal connectivity – without compromise

The KeTop T20N is available with different connection cables and can be used with existing KEBA connection boxes. This reduces integration effort and investment costs while ensuring a consistent and future-proof solution.

Tailored to your application

For larger quantities, the device can be specifically adapted to your individual operating requirements. A variety of built-in elements and equipment options are available to optimally match functionality and operating comfort to the respective application.



KeTop T20N

Lightweight, compact and versatile

Technical Specifications

Display

- Size: 3.5" (16:9)
- Resolution: WQVGA, 480 × 272 pixels
- Touchscreen: Analog resistive

Keypad

- Membrane keypad, 20 tactile keys, 8 LEDs

Operating Elements

- Selector switch: 16 positions
- Handwheel: Magnetic detent, 100 pulses/revolution

Safety Elements

- Emergency stop / stop button: Dual-channel wired (optionally illuminated); EN ISO 13850
- Enabling switch: 3-position, dual-channel, positive opening according to EN 60947-1 and EN 60947-5-8

Core System

- Processor: ARM Cortex A53 Quad Core, 1.6 GHz
- Memory: 2 GB RAM, 8 GB Flash
- Operating system: Linux

Interfaces

- Communication interface: Ethernet 10/100 Mbit/s
- Data backup: USB 2.0
- Memory card interface: microSD

General

- Power supply: 24 V DC
- Power consumption: Max. 8.5 W
- Housing dimensions L×W×H: approx. 226 × (82–162) × 55 mm
- Weight: approx. 450 g (without cable)
- Color: RAL 7016 Anthracite Grey
- Material: ABS-PC
- Degree of protection: IP54
- Directives: EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU, Machinery Directive 2006/42/EC

Environmental Conditions

- Operating temperature: 0 °C to 45 °C
- Storage temperature: -25 °C to 70 °C
- Relative humidity: 5% to 95% (non-condensing)
- Shock resistance according to EN 61131-2 and EN 60068-2-27: 15 g / 11 ms

Accessories

- Magnetic holder, wall mounting bracket
- Cables: 2.5 / 5 / 7 / 10 / 15 / 20 m
- Connection boxes

