

CONCEPT STUDY

# KeTop T150 wireless

Safe, mobile, intuitive

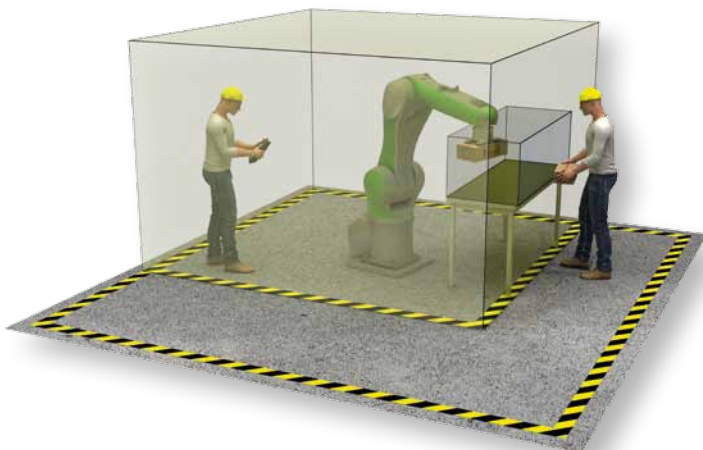


The trend-setting KeTop T150 wireless handheld terminal has a capacitive touch screen that can be operated as a real multitouch – it thus scores with intuitive operability, highest ergonomics and best user experience.

As a wireless version, the handheld terminal provides more flexibility and mobility in the operation of robots. The KeTop T150 wireless is the innovative basis for completely new operating concepts.

## One device for several robots

A WLAN interface is used to transfer large amounts of data. This enables networking of several robots with only one mobile KeTop T150 wireless. Process information, warnings and error messages of all robots are visible on a device and are immediately available to the operators at any time. Response times to malfunctions are reduced and increase the productivity of all machines.



## Safe connection in teach-in

The KeTop T150 wireless connects safely to a single robot using a special logon and logoff procedure. As with a conventional cable connection, this provides the emergency stop function and the enabling switch for robot teach-in. There are additional advantages due to the omission of the cable:

- Operators have more freedom of movement.
- There is no risk of tripping or getting stuck.

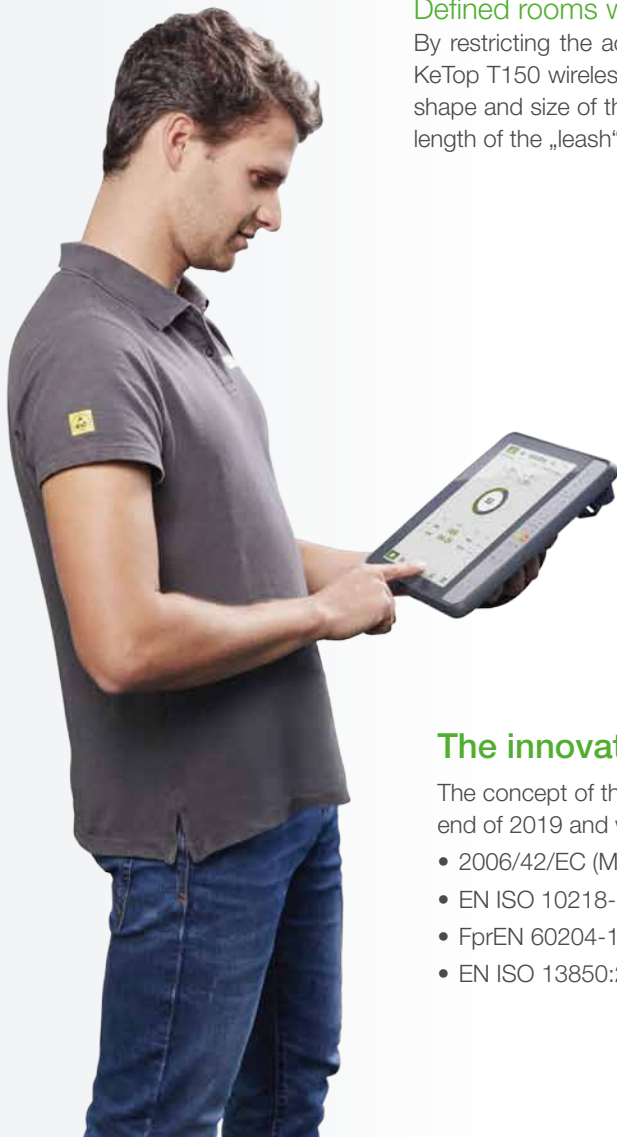


### Defined rooms with activated safety devices

By restricting the active range, a virtual cell is defined. In it, a machine can be operated on the KeTop T150 wireless using the safety devices. Compared to the cable, it is possible to define the shape and size of the effective range within specified limits. This means that it is not bound to the length of the „leash“ of the device as before.

### Easy integration into existing and new robot solutions

For integration and use of the wireless KeTop T150, no separate or additional safety control is required. All safety signals are available as discrete outputs at the base station of the device.



**Warning system:** Optical and acoustic warnings prevent inadvertent leaving of the operating range with active safety devices.

### The innovation, within reach

The concept of the KeTop T150 safe wireless is TÜV Rheinland tested. It will be available by the end of 2019 and will be certified according to the following guidelines:

- 2006/42/EC (Machinery directive)
- EN ISO 10218-1:2011 (Robots and robotic devices - Safety requirements for industrial robots)
- FprEN 60204-1:2014 (Safety of machinery - Electrical equipment of machines)
- EN ISO 13850:2015 (Safety of machinery - Emergency stop function)