

Safety-Panel „SP200“

The safety panel SP200 of the ACD Antriebstechnik (ACD-A) is a wireless handheld control unit with several safety functions, which can also use for process and machine control.

Tablets from different manufacturers with displays between 10.5" and 11" (other sizes on request) can be installed for visualizing processes and controlling machines in the SP200 using customer-specific removable frames.

Tablets with the Android, iOS and Windows operating systems can be used.

All tablet functions can be used without restriction and by using an additional standard battery system, a very long runtime is achieved.

The integrated control elements Not-Halt, acknowledge button and encoder are recorded by the integrated safety electronics. The safety data are transmitted to an opposite station (safety gateway) via a secure radio link.



The safety gateway can be a safety control or establish connections to other safety controls and safe bus systems. Connections to several safety gateways can be configured in the SP200.



Technical Data

Adaptable tablets

- Use of Standard-Tablets between 10.5" and 11" (other sizes on request)
- Operating systems Android, iOS and Windows
- Performance data freely selectable by the customer
- Tablet manufacturer freely selectable by the customer (preferred types due to existing removable frames)
- All operating as well as optical and acoustic elements and interfaces are freely accessible and can be used as standard
- Easy replacement and upgrading thanks to the removable frame principle

Power supply / battery

- A standard power bank is built into the SP200.
- Battery capacity (tablet + power bank)
- approx. 215 Wh (43,000 mAh / 5V)
- Running time approx. 100 hours (depending on configuration and energy saving mode)
- Fast charging
- Charging via USB-C or inductive charging (charging cradle) in Q2 / 2021

Software / use cases

Apps from ACD-A (loadable from Google Play Store, App Store (Apple) und Microsoft Store)

Use case „Safety-Panel“

- SP200-Apps
 - for safety parameterization and configuration
 - Selection of the safety gateway
 - Firmware-Update of SP200 devices

Use case „Drives“

- DriveCon-Apps (Drive configuration software)
 - Visualization / diagnosis
 - Configuration
 - Firmware-Update

In parallel to the ACD-An apps, HTML5 HMI visualizations and all standard apps can be operated, especially apps that will be created in the course of Industry 4.0.

Conformity

Machinery Directive	2006/42/EC
EMC Directive	2014/30/EU
Radio Equipment Directive	2014/53/EU
RoHS Directive	2011/65/EU

Safety related parameters

EN 61508	SIL 3
EN ISO 13849-1	Cat. 4/PL e

Control elements

Illuminated emergency stop switch	
acknowledge button	
Two-handed operation	EN ISO 13851, chap. 8.7
Encoder / Handwheel	safe encoders can be used

Interfaces

Tablet interfaces	WLAN, Bluetooth, USB-C, ...
safe radio	SP200

Dimensions

Height x Width x Depth	235 x 383 x 62 mm
Weight (incl. tablet and power bank)	Approx. 1.3 kg

