

SCHURTER CLEARCAP your transparent switch

The SCHURTER ClearCap is the ideal solution for small equipment with a simple menu structure. The ClearCap gives you all the benefits of a PCAP touchscreen in a simplified build. With a ClearCap solution you can create a modern attractive design with effective costing. This all comes as a custom design in order to fulfil your specific needs!



1 Transparent capacitive switches

In many markets such as laboratory, medical and security using small LCD's as a touchscreen is over specified. By using ClearCap technology you can have a number of pre-definable, transparent touch fields by using a single chip solution. This cost effective method allows you to use touchscreen benefits on smaller equipment.

2 Surface material

ClearCap technology will work behind glass, polycarbonate and polyester. This allows you to use the best material for your application. For design, hygiene and durability, a wide range of materials are available for your product.

3 Keys and backlighting

Next to the transparent touch fields, you can easily integrate normal capacitive keys in the same technology. A great advantage of ClearCap technology is the possible use of LED backlighting in multiple colours.

4 Sliders and wheels

An attractive feature of the capacitive technology is the integration of wheel and slider functions. These functions open your user interface possibilities.

5 Housings and assembly

For the integration of your product into a full assembly, SCHURTER is the partner to support you. With the capacitive technology you can use flush design in order to create an attractive look and feel.

6 Electronics

SCHURTER selects the best fitting chip solution for your application.

Markets

- Laboratory
- Medical
- Vending machines
- Building automation
- Security

Benefits

- Attractive flexible design
- Cost effective compared to a touchscreen
- Flat design without mechanical parts
- Easy to use, easy to clean
- Your preferred surface material
- Hygienic

Key specifications

- 1-12 keys or 9 keys & 1 slider
- Other configurations possible with customized software
- I2C, SPI, UART or digital I/O
- 1.7V up to 5.5V operating voltage
- Temperature range -40°C +85°C