

SCHURTER PROJECTIVE CAPACITIVE (PCAP) TOUCHSCREENS

Touchscreens with a modern look and feel

SCHURTER offers customized touchscreen solutions for the global market and has a wide standard range of PCAP touchscreens for integration into your application. Customized products are developed and produced at SCHURTER's production sites, based on many years of expertise. We enable rapid market access through our prototype production. The projected capacitive multi-touch technology behind printed glass allows easy input by touch. Production processes like laminating of touch sensors, bonding of glass and optical bonding of displays, and the printing of glass, are done in our state-of-the-art in-house production locations with fully automatic lines. SCHURTER has a standard range of (AMT) PCAP touch sensors from 3.5" to 24". Controllers from Microchip (formerly Atmel), AMT (PenMount) and EETI are available for optimal selection according to your requirements.



1 PCAP sensor

For the most common display sizes, SCHURTER has standard sensors in 4-, 5- and 8-wire technology available. Customized sensors for your display or special specifications can be manufactured in the range of 3,5" to 24".

2 Glass coverlens

Your touchscreen can be made customer specific with a screen printed glass or polycarbonate coverlens. SCHURTER has the capabilities to print the coverlens in-house with your required colors and design. Various glass types and different thicknesses up to 10 mm are available for the selection in your application.

3 CapKeys and backlighting

PCAP touchscreens are ideal to combine with our CapKey technology. Dedicated keys with capacitive sensing can also be integrated into the complete design, this will avoid a separate keypad next to your coverlens. The key areas and logos can be illuminated with a multi-coloured backlighting.

4 Optical bonding

SCHURTER offers the Optical bonding to increase readability when exposed to sunlight in the outdoor area, to reduce reflections and to increase mechanical stability.

5 Integration

SCHURTER is one of the market leaders for the PCAP design and system integration into the housing including display and electronic. Automated manufacturing and production in cleanrooms are dedicated to deliver your products with a high quality standard.

6 PCAP Controllers

SCHURTER is working with various PCAP controller systems which are dedicated and qualified for industrial and medical applications. The controllers are programmed in house by our engineers and perfectly tuned to achieve customers specifications and requirements.

Markets

- Industrial
- Medical
- Laboratory
- Food
- Vending
- Building automation

Benefits

- Modern look and feel
- Branded coverlenses
- Capkey technology integration
- Hand palm rejection
- Full system integration
- One-stop product configuration

Key specifications

- Diagonals between 3.5" and 24"
- Coverlens between 1 to 10mm
- Optical bonding
- Approved EMC conformity
- 1-10 finger operation
- (Salt) water resistance