

## Hygienic operating methods by DATA MODUL

Operating an HMI becomes an particularly important role especially in the medical field. Projective capacitive touch (PCAP) is hereby the most common technology used for interaction. In this specific field of medical environments, a hygienic and sterile environment is essential. In order to provide safe and error-free operation, we adress these challenges with a special portfolio and provide solutions on these specific requirements including ISO 13485 certification.

### Materials

- › Strengthened Cover glass with different surface treatments
- › In-house Gap-Filling reduces accumulation of dirt or unwanted deposit
- › Anti microbe painting surfaces

### Operation

- › PCAP sensors and customer specific tuning for operation with gloves
- › Gesture control for a touchless input
- › Eye tracking to avoid touching the surface
- › Active and passive stylus operation

### Cleaning

- › Glass surfaces have a good chemical resistance consequently cleaning and disinfection is possible without damage
- › Easy to clean surface treatments like Anti-Glare or Anti-Fingerprint
- › High class IP protection for special hygienic requirements

### Technologies

- › PCAP sensors with the latest generation of touch controllers
- › Enhancement of 2D PCAP touch screen with 3D gesture control
- › Camera based face recognition systems with state-of-the art AI

Choosing the right components and technology opens our customer different approaches for a hygienic operation, even after pandemic times.