Product images:

*Desk stand/ enclosure not included

Product highlights:

ELT52S-07NC-KEYPAD is a transparent touch display ready for lamination into your larger piece of glass or a stand-alone display demonstrator. This solution comes with the display glass, FPCs (flex cable) and driving electronics. With this display, Lumineq® technology customers can bring a fully transparent keypad solution for applications using authorized coded entry in vehicles or premises.

The product features:
- Glass panel with pre-defined 12 buttons and 4 x 7-digit segments
- FPCs (Y-shaped) 220 mm bonded permanently to bottom of the glass, connection to the driving electronics
- 2 driving electronics boards (PCBA)
- Plastic holders for electronics and FPCs
- Dummy samples for lamination trials
- Power supply and required cabling
- EU/UK/US power cord
- Documentation package
- Interface of the display is CAN, demo script mode dip-switch selectable
- Max. sensing through 4 mm glass
- Water de-sensitive operation
- Withstands standard industrial lamination process
- For outdoor and indoor use

Thickness of the lamination (LIP) display glass is 0.7mm and stand-alone (TIP) 1.8 mm with cover glass. Lamination is required prior to use of LIP, lamination ready version.

Display Technical Specifications:

Technology	Inorganic Thin Film Electroluminescence
Color	TFEL-yellow
Segments	12 pre-defined buttons and 4 x 7-segment digits
Segment Size	Button diameter from arc to arc 26 mm, 7-segment height 13.4 mm
Viewing angle	2x 179°, two sides, substrate is transparent
Response time	< 1 ms
Luminance	Typical 600 cd/m^2
Contrast	ambient (background lighting) dependent
Transparency when laminated	≥ 70% when laminated properly/with cover glass; depends on the surrounding glazing
Glass panel size	160mm (height) x 110 mm (width)
Electronics size	2 pcs x 35 mm (height) x 105 mm (width)
Power consumption	Typical, 6 W, abs. max. 12 W
Temperature	-40 °C to +85 °C
Warranty	3 months; not covering lamination process or laminated product

Ordering information:

Product	Part number	Features
TIP ELT52S-07NC-KEYPAD	EL00173100	Plug 'n' play stand-alone keypad touch demonstrator: 1 piece functional displays with 220 mm FPCs (display to PCBAs), 0.7 mm glass, 1.1 mm cover glass, 2 pieces ELT31S driving electronics (both needed for single display operation), cabling between boards, power input cable, power supply, EU/US/UK mains cable
LIP ELT52S-07NC-KEYPAD	EL00172900	Lamination Introduction Package: 2 pieces mech samples 0.7 mm glass, no cover glass 2 pieces mech samples with 220 mm FPCs, 0.7 mm glass, no cover glass 1 piece functional displays with 220 mm FPCs (display to PCBAs), 0.7 mm glass, no cover glass, 2 pieces ELT31S driving electronics (both needed for single display operation), cabling between boards, power input cable, power supply, EU/US/UK mains cable