

ELT120S-MultiGauge-CAN

CAN compatible Transparent Display Demonstrator from Lumineq®



The ELT120S-MultiGauge-CAN is a CAN bus ready segmented display demonstrator that exhibits the full see-through properties of transparent Lumineq® display.

The display comes with a segment/icon design intended for head-up display (HUD) applications.

Transparent Lumineq® displays combine the rugged and reliable build of TFELs with the uniquely high transparency. TASEL is ideal for fields where full transparency and ruggedness are of paramount importance.

Transparent Lumineq Display Demonstrator

Product capabilities:

The ELT120S-MultiGauge-CAN is designed to demonstrate and to help you to evaluate the unique capabilities of transparent Lumineq® display with live data by connecting the display to CAN bus. This technology demonstrator enables you to do concepting, prototyping and to adapt the technology to your application.

Transparent Lumineq displays are fully transparent, flexible in terms of applications and genuinely unique. Whether you want to see just how transparent a display can be, or test how transparent display could be used in your application, this demonstrator is ideal for you.

Product features:

- Supports Controller Area Network (CAN) interface
- Supports fixed, predefined bus messages based on parameter group numbers (PGNs) – check the product documentation for the supported PGNs
- Equipped with a universal screw terminal allowing connectorless connection to target CAN network
- Enables display brightness adjustment through Cabin Illumination CAN message or with trim knob on external control board
- Does not come with housing or mounting

Technical specifications:

Technology	Transparent Thin Film Electroluminescence on soda lime glass substrate
Color	TFEL-yellow
Type	Segmented, 120 predefined icons
Transparency	~80%
Viewing angle	360°, fully transparent
Response time	< 1 ms
Max luminance	~900 cd/m ² (Adjustable)
Glass size	170 x 190 mm (Including contact area)
Glass thickness	2.2mm (Total - encapsulated with cover glass)
Flex (FPC)	Straight, length 250mm (3pcs)
Driver PCB size	93.8 x 45.7 x 15 mm (3pcs)
Control/CAN interface PCB size	150 x 100 x 23 mm
Input Voltage	External +12 VDC supply or 4-40 VDC to CAN-interface connector
Interface	Driver boards have SPI Interface. CAN interface board supports CAN 2.0 B compatible J1939 (J1939DA Revision 201902). Supported baudrate 250 kbit/s.
Warranty	3 months (Demo product)
Operating environment	Office - limited by demo electronics

Ordering Information:

Product	Part number	Features
TIP ELT120S-MultiGauge-CAN-J1939	EL00043550	Capsulated turnkey demonstrator with driver & CAN interface boards

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