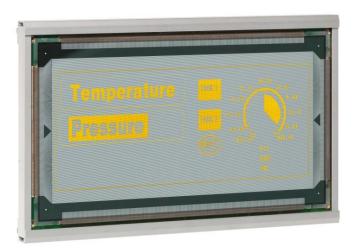


# EL512.256-H3

# **TFEL display**



The EL512.256-H3 is a TFEL display for use in extreme operating conditions.

Lumineq® Thin Film Electroluminescence (TFEL) displays have the widest operating temperature range of commercially available technology.

TFEL displays are ideal for use in industrial, medical, transportation, military, public safety and other demanding applications.

### **Lumineq Thin Film Electroluminescent Display**

## **Product highlights:**

- Operating temperature range: -25 to +65 °C
  Broad input voltage range: 11...30 VDC
- Wide screen

#### **General TFEL features and benefits:**

- Instant ON in cold and hot temperatures
- No need for heating and cooling
- Very long lifetime
- Extremely stable brightness measured 100,000 hours with > 85% left of initial luminance
- TFEL display brightness, contrast, viewing angle and response time are the same across the entire operating temperature range
- ullet Wide viewing angle > 179° with crisp and clear image
- Very fast response time, < 1 ms
- Extremely rugged and solid TFEL display structure
- Very long production life time

Ordering Information:		
Product	Part number	Features
EL512.256-H3 FRA	996-5059-00LF	Aluminum frame
EL512.256-H3 FRB	996-5060-00LF	Steel frame

Technical specifications:		
Technology	Thin Film Electroluminescence	
Color	TFEL-yellow	
Viewing angle	179°, any viewing directions	
Response time	< 1 ms	
Luminance	65 cd/m² typical areal	
Resolution	512 × 256 pixels	
Pixel pitch	0.25 × 0.25 mm	
Weight	400 g	
Display size	233 × 136 × 16.5 mm	
Active area	195.1 × 97.5 mm	
Supply voltages	5 and 1130 VDC	
Power	6.0 W, typical	
	4.0 W, typical (low power mode)	
MTBF	> 30,000 hours	
Temperature	Operating: -25 to +65 °C	
	Storage: -40 to +75 °C	
Humidity	93% RH, oper., IEC 60068-2-78	
Altitude	15 km, oper./non-oper., IEC 60068-2-13	
Shock	100 g-force, 6 ms, IEC 60068-2-27	
Vibration	20 to 500 Hz, $0.05 \text{ g}^2/\text{Hz}$ random	
	IEC 60068-2-64	
Interface	EL standard, 1 or 2 bits/clock	

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