27HMI v2 Configurable CAN Display

Round 52 mm J1939 gauge display that you configure for your own CAN messages.



OVERVIEW

The 27HMI v2 is a compact round CAN-bus display. It shows real-time J1939 parameters, warnings and system messages on a sharp monochrome screen with three dead-front status LEDs. Our configuration tool programs it to send and receive any CAN message, so one part number can be an engine monitor, a level gauge, a load indicator or a controller. It is sealed to IP67 at the front and fits a standard gauge hole.

- 1 × CAN, SAE J1939
- 4 configurable inputs (resistive or digital)
- IP67 front / IP64 rear
- 12 V or 24 V systems
- Flush/panel mount, Ø60 mm bezel

SPECIFICATIONS

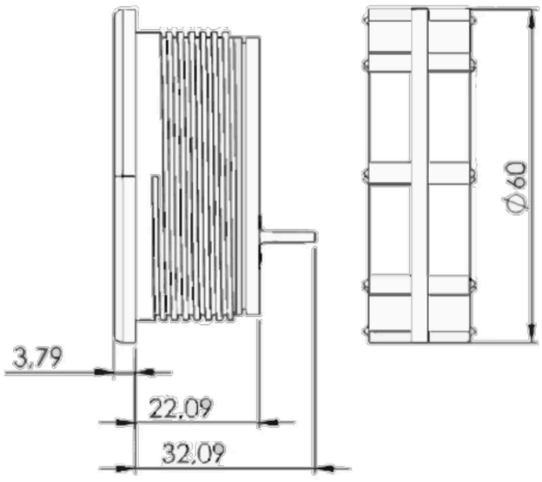
Display	Monochrome LCD, 128 × 64 px
CAN	1 × CAN 2.0B, SAE J1939
Inputs	4 configurable, resistive or digital
Power supply	12 V or 24 V nominal systems
Indicators	3 dead-front LEDs (green / amber / red)
Controls	2 tactile buttons (up / down)
Ingress protection	IP67 (front), IP64 (rear)
EMC	ISO 13766, SAE J1113-21
Environmental	Vibration, UV, salt spray and chemical compatibility
Operating temperature	-30 to +70 °C
Housing	Black PC/ABS, UV resistant
Lens	Polycarbonate with anti-scratch coating and anti-fog treatment
Mounting	Flush / panel mount; Ø60 mm bezel, Ø51.9 mm body
Depth	Approx. 26 mm (1.02 in)

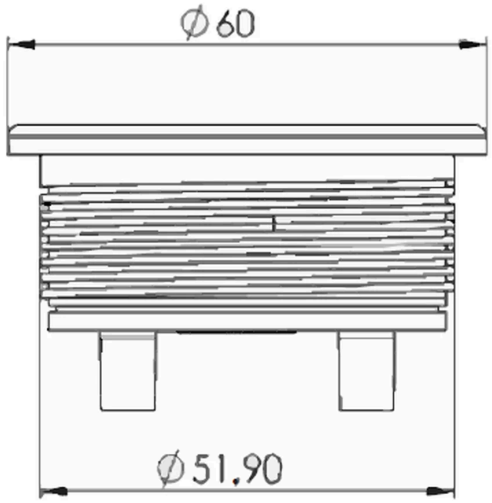
Weight	48 g (1.7 oz)
Connector	8-pin TE Mini-Universal MATE-N-LOK

CONNECTOR PINOUT (J1)

Pin	Function	Notes
1	Configurable input	Voltage / digital / resistive
2	Power	Battery +
3	Power	Ground
4	Configurable input	Voltage / digital / resistive
5	Configurable input	Voltage / digital / resistive
6	CAN	CAN High
7	CAN	CAN Low
8	Configurable input	Voltage / digital / resistive

DIMENSIONS (MM)





TYPICAL APPLICATIONS

- Engine oil temperature / pressure gauge
- DEF level gauge
- Axle load indicator
- Engine RPM set-point controller
- Custom J1939 parameter display

ORDERING

Part number	`ICDT-27HMI-V2`

Order online	https://icdigitech.com/products/27hmi-v2-can-display.html
Sales & support	info@icdigitech.com

Images may differ from the delivered product. Specifications are typical values and may change without notice. All trademarks are the property of their respective owners. © 2026 ICDT Pvt. Ltd.