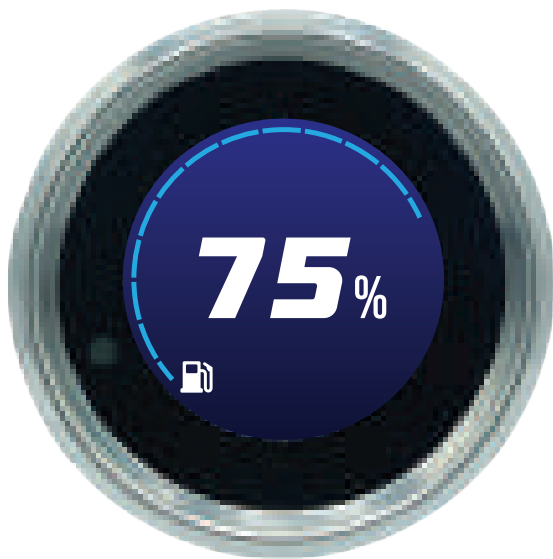




J1939

KEY FEATURES:

- USB Type-C Connector
 - Software Updates & User Configuration
- Customizable
- 2 Universal Inputs
- CAN Interface
- Conditional NMEA 2000® Compliant
- Ambient Light Sensor
- Touchscreen
- External Memory
- STM32F412 Microcontroller
- TouchGFX Graphics Engine & Library

MCD

DIGITAL INSTRUMENTATION

The 2" MCD touchscreen display is a compact, intuitive, and daylight-readable NMEA2000® device. Designed to fit the industry-standard 2" cutout, it features a hand-polished stainless steel bezel and a Deutsch connector for easy, plug-and-play installation. It pairs seamlessly with the MG5K 5" touchscreen display for a cohesive user interface.

TECHNICAL HIGHLIGHTS:

- 240x240px 1.3" Round LCD Screen
- Full Color 18bpp
 - Over 260k colors
- 1000 Nit Sunlight Readable Display
- 180° Viewing Angle
- Optically Bonded
 - Eliminates Fogging
- Multi-Touch PCAP
- UV Protective Coating
- Anti-glare Treatment



860.848.9271



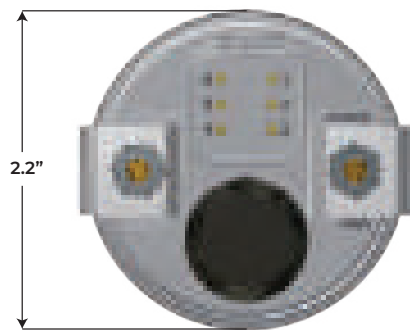
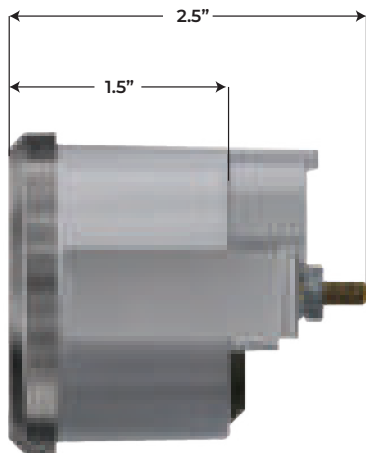
Sales@FariaBeede.com



www.fariabeede.com / www.riversidemfg.com



DIMENSIONS:



FULL SPECIFICATIONS LIST

Feature	Criteria
Mounting Hole (Dia)	2.075"
LCD	1.28" Round TFT, 240x240, Capacitive Touch, 1000 NIT
Ambient Light Sensor (ALS)	Optional
Operating Temperature	-20°C to 70°C
Storage Temperature	-30°C to 80°C
Water Intrusion	IP69K Rated
Vibration	Vibration per MIL-STD-202 Method 201
Salt Fog	48 hours per ASTM B117-73
Chemical Resistance	ISO 16750-5 Mounting Code B
UV Exposure	1000 hours per SAE J2527, Table 2
Input Voltage	6 to 30 VDC
Current Consumption	100 mA typical at 12 VDC (base unit)
Reverse Polarity Protection	Yes
Under/Over Voltage Protection	Indefinitely at 0 and 60 VDC
User Interface	Capactive Touch Screen
System Connector	1x Deutsch DT06-6S or Apmphenol AT06-6S (required harness side)
System Type	Embedded, STM32 Micro Controller
Memory	8M Additional Flash for Graphics
Inputs & Outputs	2x Hardware Configurable, any 2 of the Following: · Discrete (active low, 2A) · PWM (input capture, up to 16Vpk at 2 kHz) · Analog (0-5 VDC) · Analog (9-16 VDC) · Resistive (30-240 Ω) · Digital (active low) · Digital (active high)
CAN	1x CAN FD @ 250, 500, or 1000 Baud. Supports J1939, NMEA 2000®
IMU (Accelerator/Gyro)	Optional (6 DOF, ±2g to ±16g and ±125°/s to ±2000°/s ranges)
Compliance	RoHS