Faria®

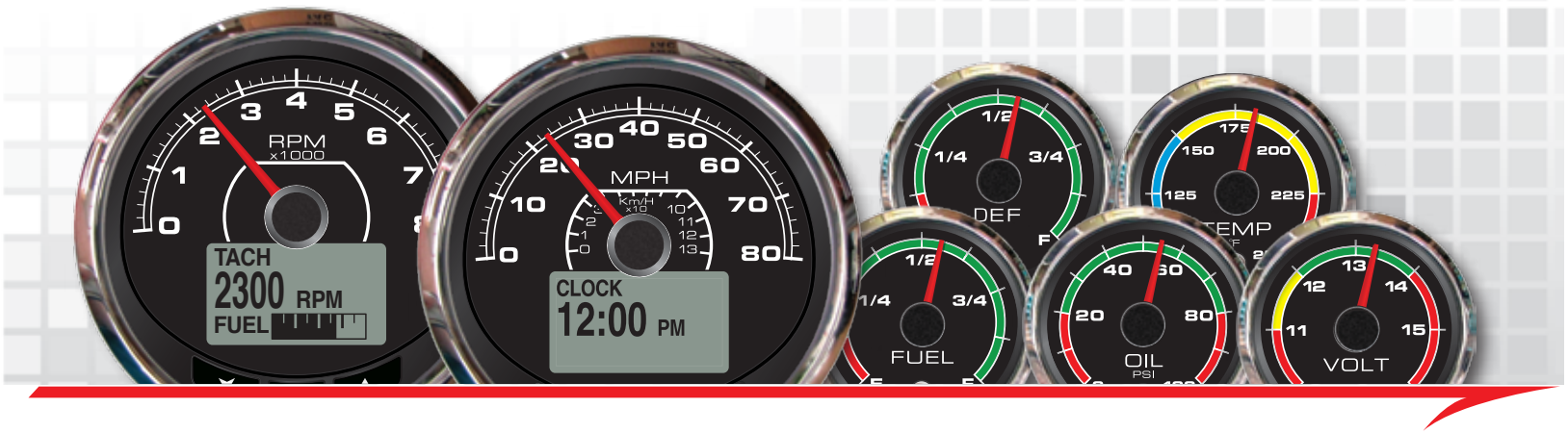
BEEDE INSTRUMENTS
Since 1917

CAN Bus Instrument Solutions for

Kawasaki

Engines

With some of the most sophisticated information and instrumentation systems in the industry, and a range of products that are rugged enough to survive on military Humvee and heavy construction equipment, or with innovative styling for your boat or RV, Thomas G. Faria Corporation has the right products to meet future global needs for rugged, reliable, and innovative instrumentation.



An ISO9001-2008 Registered Company

For more than 50 years Faria has been dedicated to the principle of supplying our customers with the highest quality product at the most competitive prices.

All Faria instruments are performance proven under the most demanding conditions. They are factory installed original equipment with major manufacturers worldwide. You can rely on Faria Instruments for world class quality, dependability and ease of installation.

Our years of manufacturing experience and knowledge of the industries we sell to have taught us to listen to the market place. Our in-house product design and development, component manufacture and instrument assembly allow us to respond quickly to your needs.

The company-wide use of Statistical Process Control (SPC), not only for ourselves but by our vendors as well, allow us to maintain a consistently high standard. In 1998, our efforts were recognized by the world as we became an ISO9001 registered company. We continually reaffirm our commitment to this standard and are now registered as a ISO9001:2008 company.

With the recent purchase of Beede Instruments of Penacook, NH, Faria has expanded our manufacturing capabilities to offer a broader product offering, unsurpassed value and design for all of our markets, including the US Military, industrial, recreational and majority of the world's leading boat manufacturers.

We support our products with a comprehensive Limited Warranty. Should you need them, our dedicated Customer Service Technical Experts are ready to provide installation, troubleshooting and warranty assistance.

Instruments for

Automotive
Commercial
Industrial
Performance
Recreational
Marine
Military

Rugged • Reliable • Innovative

Made in the USA

What Faria Instruments can offer Kawasaki Engines

The small engine CAN Bus instrument is a complete solution for the small engine CAN bus market. This compact instrument provides a single source view of the critical information provided by the engine ECU.

A large sun-light readable LCD provides all of the information an operator will need, at a quick glance. Super-bright LEDs signal the operator when there is a fault and requires action.

Faria has a long history of working with CAN bus engines. Let our experience work for you.

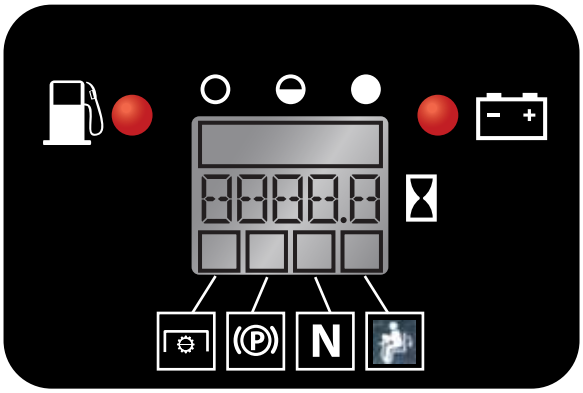
Features

- Sun-light readable display
- Super-Bright LED warning lights and audible alarms
- Compact size
- Available in our Snap-In mounting system
- Analog / Switched inputs available
- Weather resistant connectors
- Environmentally sealed enclosure

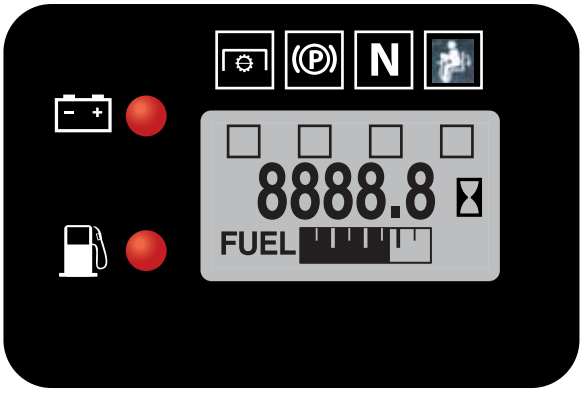
CAN bus System with optional Analog / Switched Inputs

Actual Size

Available in Snap-In mounting with molded Molex connector.



Similar Screen Size
Packaged in a Rectangular Form



A Larger LCD Display
(Shown here actual size.)
Packaged in a Rectangular Form

Built on a Strong Tradition of Excellence and Leadership.

1993 - Faria develops a micro-processor for Harley-Davidson tachometers.

1997 - Polaris adopts the Electronic Programmable Speedometer

Faria Introduces J1587/1708 Parallel Bus system.

1999 - Faria introduces the Helmsman™. Giving an easy connection for ALDL, J1939 CAN to the Marine, Trucks & Bus and RV industries.

2000 - J1939 CAN InfoCenter.

All in one gauge for GenSets and Construction equipment.

2004 - Faria introduces the first NMEA part B certified instruments.

NMEA CAN InfoCenter™ and MG2000™

2005 - MG2000™ is SmartCraft™ Certified.

2006 - Faria VTERM™ Telematic touch-screen display.

2006 - Faria introduces the ANTARES

2007 - Faria develops the first true Marine computer. MAESTRO

2011 - MG3000™ a break through in single button navigation and user operability.

2012 - Faria Mach-7 expands the touch screen products

2013 - Faria introduces a GPS Speedometer - No external antenna required.

2013 - September
Faria acquires the assets of Beede Instruments.
Beede brings almost 100 years of gauge manufacturing experience and knowledge to Faria manufacturing.

Faria®

Rugged • Reliable • Innovative

J1939 Stand-Alone CAN Bus display

Instrument Shown
Actual Size

Configurable Two Line Display

Features and Benefits

- SAE J1939 CAN protocol support
- Compact packaging
- 32 X 128 dot matrix graphic LCD
- Displays active and stored faults (SAE J1939 DM1 & DM2)
- Single or Dual Line Display
- Three discrete LED indicators
- Alarm output capable of switching up to 150 mA
- Built in audible alarm (mutable)
- Built-in, sealed, tactile rubber keypad
- Bright, adjustable LED illumination
- Environmentally sealed connectors

Customizable Features

Bezel profile, material & finish
Dial face graphics & colors
LCD Illumination color

BEEDE INSTRUMENTS Since 1917

SAE J1939

NexSysLink®

CAN Instruments Product Family

The NexSysLink CAN Bus display instrument reads and processes SAE J1939 compliant CAN messages.

The sunlight visible, transflective LCD displays operating parameters and is complemented by three discrete alert LED's.

An intuitive menu driven user interface accessed by three built-in tactile switches allows for easy display configuration.

Stand-alone and Master Node (MNI) configurations available. MNI configuration drives NexSysLink® SNI & ASNI gauges.

SAE J1939 Parameter Set*

Parameter Name	SPN	Parameter Name	SPN
Accelerator Pedal Position	91	Fuel Rate	183
Alternator Voltage	167	Engine Fuel Temperature	174
Battery Current	114	Engine Hours	247
Battery Voltage	168	Engine Oil Level	98
Boost Pressure	102	Engine Oil Pressure	100
Coolant Level	111	Engine Oil Temperature	175
Coolant Pressure	109	Hydraulic Oil Level	2602
Coolant Temperature	110	Hydraulic Temperature	1638
DEF Level	1761	Intercooler Temperature	52
DEF Temperature	3031	Percent Load	92
Engine Speed (RPM)	190	Vehicle Miles	245/917
Exhaust Gas Temperature	173	PTO Speed	186
Fuel Economy (Average)	185	Engine Throttle Position	51
Fuel Level 1	96	Vehicle Speed	84
Fuel Level 2	38	Transmission Oil Level	124
Fuel Delivery Pressure	94	Transmission Oil Pressure	127
		Transmission Oil Temperature	177

*Only actively broadcast parameters appear on the LCD.

J1939 CAN Bus Panels, Clusters and Instruments

New designs, including the popular MG3000 digital LCD display, adds the features of our best selling digital instrument in a single panel cluster design. Customize your panel with warning lights and discrete gauge functions.

Features and Benefits

- J1939 CAN Bus Instruments
- Stand-Alone technology - Each instrument receives information directly from the J1939 Bus
- Available in a wide variety of styles
- Designed and manufactured to MIL-STD-1275, MIL-STD-465, MIL-STD-464, MIL-STD-810 and SAE J113-13 specifications
- Multiple Analog and Digital Inputs to reduce system costs
- Made in the USA
  Uncasville, CT
  Penacook, NH
- Wide variety of instruments including 3-1 and 4-1 multi-function gauges, 4-inch and 5-inch Speedometers and Tachometers and a complete suite of 2-inch discreet instruments i.e, Fuel Level, Temperature, Volts and Oil Level

SAE J1939

Serving Industry Leading Companies

Kubota

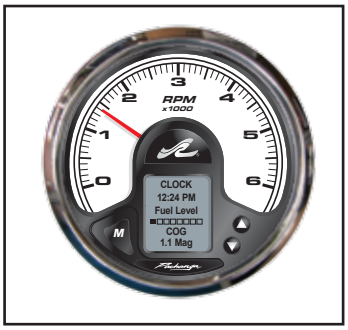
AM General®

DOOSAN

HONDA MARINE

KOHLER®

Sea Ray



Husqvarna

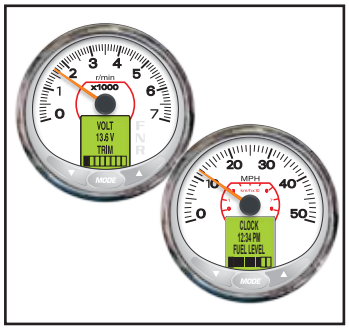
SUZUKI

POLARIS

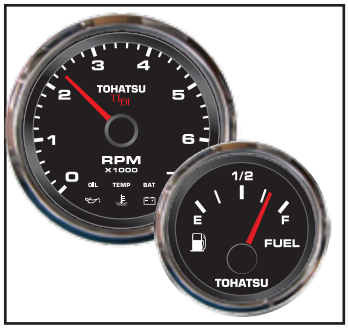
Onan®

MOTOR HARLEY-DAVIDSON CYCLES®

EVINRUDE E-TEC® BRP



TOHATSU Outboards



Bad Boy Mowers

BRP

LOFA™ INDUSTRIES INC.

Made in America for more than 50 years.

Faria®

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