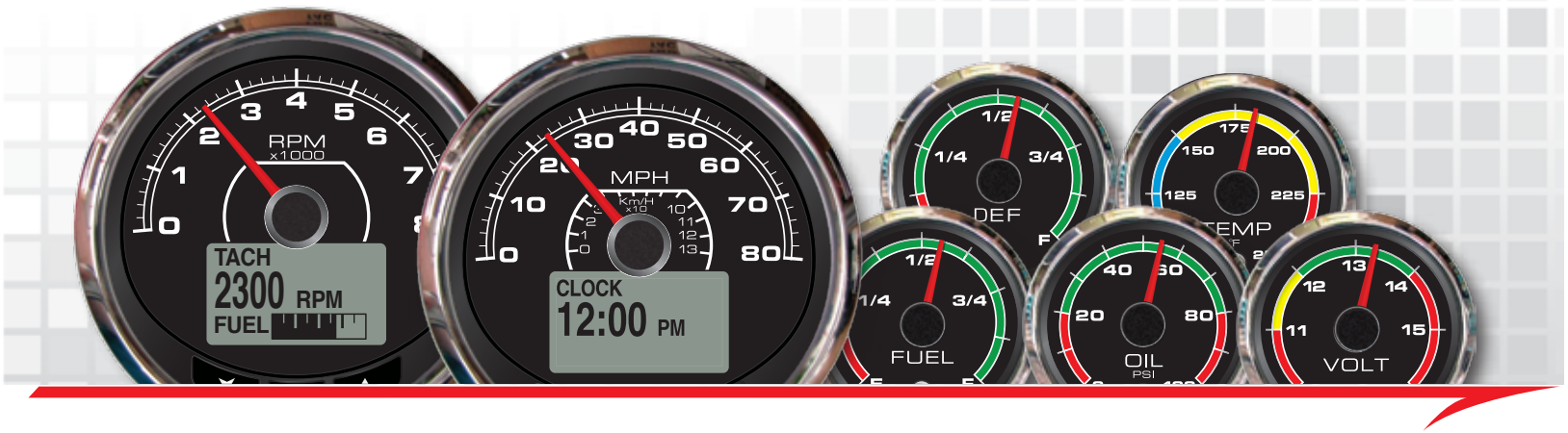
Faria®

BEEDE INSTRUMENTS
Since 1917

Instrument Solutions for

EXCEL INDUSTRIES

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, Faria/Beede Instruments have 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.

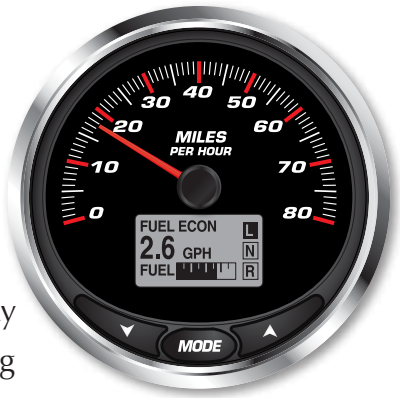
Instruments for

Automotive
Commercial
Industrial
Performance
Recreational
Marine
Military

Rugged • Reliable • Innovative

Made in the USA

What Faria Instruments can offer EXCEL INDUSTRIES



Analog MG3000

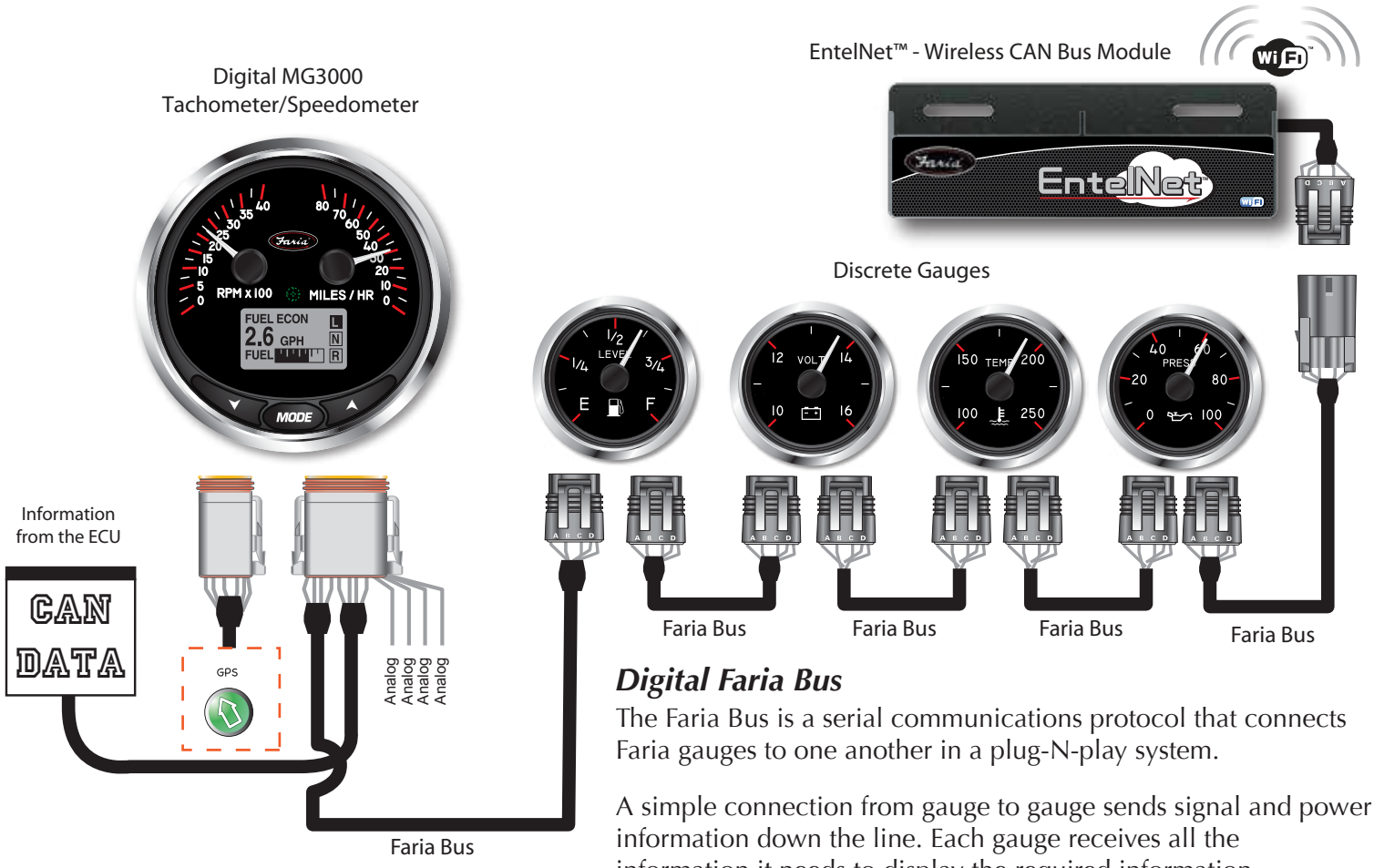
A complete solution for the small engine market. This compact instrument provides a single source view of the critical engine information without the need for an ECU to send data. The analog inputs are converted into digital information which can be displayed on the LCD and to move the digital stepper motor driven pointer.

A large sun-light readable LCD provides all of the information an operator will need at a quick glance.

Supports RPM, Temperatures, Fuel Level, Gear Position, Battery, Hourmeter, Trip, Odometer, Service Intervals and Alarms.

Features

- Sun-light readable display
- Super-Bright LED warning lights and audible alarms
- Analog / Switched inputs
- Weather resistant connectors
- Environmentally sealed enclosure
- Programmable Service Indicators
- Gear Position
- Speed by PPM and Drive-A-Mile



Digital Faria Bus

The Faria Bus is a serial communications protocol that connects Faria gauges to one another in a plug-N-play system.

A simple connection from gauge to gauge sends signal and power information down the line. Each gauge receives all the information it needs to display the required information.

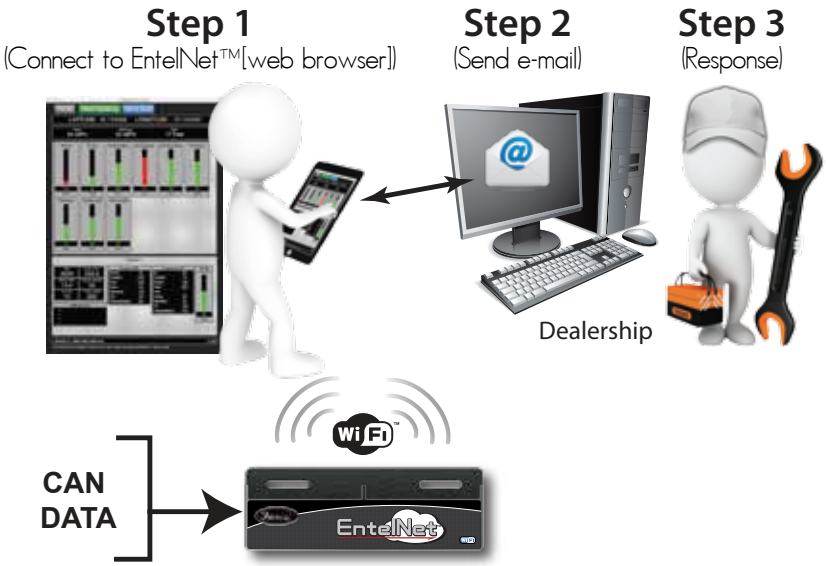
Connect multiple devices on one Faria Bus network.

Just plug it in!

With the Faria Bus network you don't have to worry about how it will connect. The Wireless module simply connects to the Faria Bus cable. Mount the module and you are done.

Analog or Digital (CAN) MG3000 has the information the user wants right at their fingertips.

Send your engine data to the cloud.



It's all about the fault codes

When a engine is malfunctioning the engine ECU transmits the area of the malfunction as a fault code.

The fault code is often used to turn on a lamp or an alert indicator. The EntelNet™ system records these fault codes and sends the data to the technician giving them a heads up of possible problems or a means to diagnose the engine's health remotely.

Connected directly to the CAN Bus, Real-World data is sent by the EntelNet™ wireless module (Wi-Fi™).

The data, GPS speed, Map position, Instrument data and CAN error code information is displayed in an easy to read website and can be view by any internet capable device i.e. Smart Phone, Tablet or Computer. No wires needed.

Get the technicians involved.

Send the engine and other critical data anywhere in the world to be diagnosed.

Helps reduce warranty costs and can help lessen repair time.

Data can be viewed on a secure website for remote systems diagnostics.

Internet Capable Device

Engine Monitoring and Alert Communications System.

When you are in range of a known Wi-Fi Hotspot, the EntelNet™ can load your trip and engine systems data to the web.

If a problem occurred during your trip a notice can be sent directly to the dealership so little concerns don't become big headaches.

GPS Speedometers

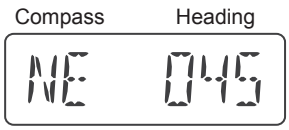
DISPLAY (Optional)

Choose between one of two functions for the optional LCD display. Course Over Ground or Odometer and Hourmeter.

Course Over Ground

The LCD display shows Heading and Compass and is back-lit for readability in inclement weather.

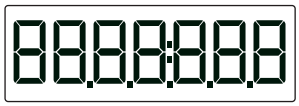
The LCD displays Compass Rose headings and actual course over ground heading. Heading is updated in 1˚ increments.



Odometer/Hourmeter

The display is a seven character LCD and can display up to 9,999,999 units in increments of .1 units. The LCD is back-lit with diffused LED light to provide maximum readability.

Displays Odometer or “Engine Running Only” Hourmeter hours.



ACCURACY

The Faria GPS Speedometer has a Speed accuracy of +/- 1 MPH while moving and a hot (normal stand-by) start up time (TTFF - time to first fix) of about 1 second or a TTFF from a cold (no power applied) start of up to 30 seconds.

Heading accuracy is +/- 1 Degree.

INTERFACE

The dial face is illuminated with a premium LED lighting system.

GRAPHICS

Faria can help design your own custom graphics. Many dial ranges and scales are available including lens type, bezel color, pointer color and back-lighting.

Available in multiple Speed ranges to 80 MPH, 130 KPH, 50 and 70 KNOTS

available in

MPH • kPH • KNOTS

ENCLOSURE

The enclosure is molded from Polycarbonate plastic with integrated Deutsch style connector shells (sockets) or studded case and is sealed against water intrusion in accordance with Ingress Protection (IP) rating IP67. Wires terminate to a sealed Deutsch weatherproof connector or ring terminals. This wire configuration allows the GPS Speedometer to work as a ***Plug and Play*** addition to your current dash.

Sizes for a standard 4 inch (85 mm) 5 (112 mm and 2 inch (53 mm) instrument dash hole.

A Speedometer to fit your needs

Faria is offering the GPS Speedometer in a wide varieties of capabilities and functions. Because every need is different.

Deutsch connectorized harness

This premium style Speedometer is designed with the very latest technology. It is designed to fit directly into today's dash harnesses with easy Plug and Play connectors. Premium LED lighting and an optional diffused LCD display.

Available in 5-inch, 4-inch and 2-inch styles.

Studded harness

The Studded Speedometer offers an easy way to add GPS technologies to your dash. Designed to fit into existing dash harnesses all ready installed. The Studded Speedometer connects directly to the battery and ground without the addition of a costly connector. Edge lit dials are easy to read in foul weather. Available in all Faria Classic styles.

Available in 4-inch and 5-inch styles.

Stand-Alone GPS Antenna

The new antenna from Faria is small in size but packs a lot inside. The Faria GPS antenna uses a highly accurate 48 channel GPS receiver.

Designed to connect directly into the NMEA0183 harness. Use the new GPS antenna wherever you would use the current GPS antennas.

Ultra fast Satellite acquisition times (TTFF), with Speed Accuracy of +/- 1 MPH. Works better than the traditional GPS antennas at just a fraction of the size.

Shown actual size

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

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.

Rugged • Reliable • Innovative

Serving Industry Leading Companies for more than 50 years.

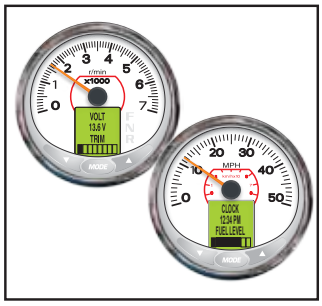
Kubota · AM General · DOOSAN · HONDA MARINE


KOHLER · Sea Ray · Husqvarna · SUZUKI



POLARIS · Onan · HARLEY-DAVIDSON · EVINRUDE E-TEC · BRP



TOHATSU Outboards · Bad Boy · BRP · LOFA INDUSTRIES INC.


Faria®

www.faria-instruments.com
or call 860-848-9271

P.O. Box 983 • Uncasville, CT 06382 Tel: 860-848-9271 Fax: 860-848-2704

fm-002-0032 rev A 8/2014