



# Faria Marine Instruments Aftermarket Catalog

# **ENGINEERED** *Elegance™*



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.

The Thomas G. Faria Corporation has been manufacturing "World Class" instrumentation in Uncasville, CT for more than 50 years (Established in 1956) and has grown from a company that primarily produced tachometers for the marine and auto industries into a company that today offers a multitude of analog and digital engine monitoring instruments to a wide range of global markets.

In the early 1960's Faria started producing tachometers with the Ford Motor Company. The first application was for the Comet Rally Pack and the Falcon Sprint. Faria later designed and developed tachometers for the famed Mustang and Shelby Cobra. Faria has supplied Volkswagen of America, Chrysler Corp. During this period Faria was producing more than a million tachometers per year.

By the Late 1970's Faria's customer base expanded to include such equipment manufacturers as Caterpillar, Allis Chalmers, International Harvester Bobcat, Stationary power equipment and Gen-set manufacturers, all who found Faria Instruments to be rugged enough to withstand the most harsh environments.

Faria became a major supplier of instrumentation to the US Military in the 1980's and is one of only a few companies that has received the ABVM Gold supplier award for on time delivery and quality for seven consecutive years. Of course Quality has always been our first concern.

In 1997 Faria became an ISO9001 registered company. Today we continue to maintain the same commitment to Quality as we introduce new technology to meet the growing needs of our customers.

In the 1990's Faria developed the first programmable electronic speedometer for motorcycles, ATV's and snowmobiles and was a major supplier to Harley Davidson and Polaris. During this period Faria also became the leading supplier of instruments to the recreational boat market.

We made the transition from an electric and mechanical gauge manufacturer to an electronics hardware and software design company with in-house pick and place assembly lines for Surface Mount Technology (SMT) circuitry.

Boat builders world wide use Faria digital products as their first choice for reliability and accuracy and now we are bringing that to the aftermarket. Come on board and see what Faria has to offer. Happy boating!

An ISO9001-2008 Registered Company

Instruments for

**Automotive**  
**Commercial**  
**Commercial Marine**  
**Industrial**  
**Marine**  
**Military**  
**Performance**  
**Recreational**



 **Made in the USA**  
[www.faria-instruments.com](http://www.faria-instruments.com)

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# Digital Dash



## The Digital Dash is a complete set of digital gauges ready to install.

The Digital Dash kit digital gauge set is an easy to use Analog style instrument, with advanced ECU monitoring capabilities demanded by today's leading engine manufacturers.

The digital instrumentation communicates directly with the NMEA 2000, J-1939 and SmartCraft protocols used by the engine ECU providing an important link between the operator and the engine ECU. With just a push of a button the operator can tell the status of the health of the engine including diagnostic messages, fault alerts, and parameter information. The Digital Dash kit from Faria is a great value for those boat owners looking to upgrade the instruments on their boat with American Made, OEM drop in replacements.

### **Basic Set - KFT032 (NMEA 2000) KTF042 (SmartCraft)**

#### **MG3000 7000 RPM Tachometer** - 4-inch (3.375" dia. hole)

The MG3000 Tachometer features large lighted buttons with tactile feedback, LED back lighted dial, fog-resistant poly carbonate lens and plug and play connectorized cases. The daylight readable LCD is visible even in direct sunlight. A user-friendly, intuitive design makes navigating the menu interface easy to use. Customize the MG3000 with user definable screens and alarms.

The MG3000 Tachometer connects to the CAN bus and communicates directly with the engine ECU. Engine data, fault codes and alarms are displayed on the Tachometer's LCD display\*.

The MG3000 Tachometer is so much more than just a digital repeater. There are 3 Analog inputs which can be used for Air Temperature, Trim, Fuel Level and Water Pressure and a NMEA 0183 input for a GPS antenna for Lat/Long, Heading, COG and clock.

#### **MG1000 60 MPH/100 KPH Speedometer** - 4-inch (3.375" dia. hole)

The MG1000 Speedometer connects directly to the MG3000 Tachometer. This plug-and-play connection connects the Speedometer directly to the CAN bus. Like the Tachometer the Speedometer has the look and function of an analog gauge, but the pointer is driven with a digital stepper motor for increased accuracy. Speed from CAN bus, GPS or connected Paddle wheel available.

\*Note: Some proprietary engine manufacturer alarms may not display or may be displayed incorrectly.

### **4 Gauge Box Set - KTF034 (NMEA 2000) KTF043 (SmartCraft)**

#### **MG3000 7000 RPM Tachometer** - 4-inch (3.375" dia. hole)

#### **MG1000 60 MPH/100 KPH Speedometer** - 4-inch (3.375" dia. hole)

#### **Digital Trim and Water Pressure gauges** - 2-inch (2.0625" dia. hole)

The discrete Digital Trim and Water Pressure gauges connect directly to the MG3000 Tachometer. Digital signals are processed by the engine and sent through the Tachometer providing an easy to use display of the information. The stepper motor driven pointer provides accurate feedback of Trim and Water Pressure reported by the engine ECU.



KTF035 - Honda Marine - Engine to Backbone Harness



KTF033 - Suzuki - Engine to Backbone Harness

KTF138 - Mini NMEA 2000 Backbone Harness

KTF044 - Mini SmartCraft Backbone Harness



Harnesses Available - Connects from engine to backbone for quick connections to gauges.



The Inboard Set comes with Speedometer and Pitot, Tachometer, Fuel gauge, Voltmeter, Water Temp gauge and Oil Pressure gauge.



The Outboard Set comes complete with Speedometer and Pitot, Tachometer, Fuel gauge and Voltmeter.



#### Package Dimensions:

20 (L) x 5.5 (W) x 9.5 (H) inches  
510 (L) x 140 (W) x 241 (H) mm



## Everything you need to upgrade your dash.

Packaged and ready for the display counter. These Boxed Sets offer a complete set of gauges ready to install.

Available in Chesapeake White Stainless Steel, Chesapeake Black Stainless Steel, Euro, Euro White, Dress White, Platinum, Spun Silver and Kronos styles .



Style	Factory	Description	
Euro	KT9799	Inboard Set	6 gauge
Euro	KT9796	Outboard Set	4 gauge
Euro White	KT9798	Inboard Set	6 gauge
Euro White	KT9795	Outboard Set	4 gauge
Dress White	KT9797	Inboard Set	6 gauge
Dress White	KT9794	Outboard Set	4 gauge
Chesapeake SS White	KTF001	Inboard Set	6 gauge
Chesapeake SS White	KTF002	Outboard Set	4 gauge
Chesapeake SS Black	KTF003	Inboard Set	6 gauge
Chesapeake SS Black	KTF004	Outboard Set	4 gauge
Kronos	KTF024	Inboard Set	6 gauge
Spun Silver	KTF0184	Inboard Set	6 gauge
Spun Silver	KTF0182	Outboard Set	4 gauge
Platinum	KTF0183	Outboard Set	4 gauge

#### NMEA 2000 Digital Kit

##### KTF034 - Base Set

MG3000 - Tachometer  
MG1000 - Speedometer

##### KTF032 - 4 O/B Set

MG3000 - Tachometer  
MG1000 - Speedometer  
Trim gauge  
Water Pressure gauge (0-60 PSI)

#### SmartCraft Digital Kit

##### KTF043 - Base Set

MG3000 - Tachometer  
MG1000 - Speedometer  
Trim gauge  
Water Pressure gauge (0-60 PSI)

##### KTF043 - 4 O/B Set





## Features and Benefits

- Available in multiple Speed ranges up to 80 MPH, and 130 KPH
- Premium LED back-lit or edge-lit dials
- **No external GPS antenna required**
- Available LCD displays Compass Rose heading and Actual heading (COG)
- Ultra fast Satellite acquisition time (TTFF)  
1 second from Hot start
- Speed Accuracy of +/- 1 MPH
- Heading Accuracy of +/- 1 Degree
- Digital stepper motor driven pointers
- Ideal replacement for speed sensing devices (pitot tube and paddle wheel) that typically fail over time
- Perfect for slow moving vessels where pitot tubes typically don't work
- Deutsch connector cases

Factory	Description	Style
SGP003	GPS Speedometer	Chesapeake White SS
SGP004	GPS Speedometer	Chesapeake Black SS
KTF049	Redundant Antenna Kit - GPS (External) (HN0863)	

The GPS Speedometer is a drop in replacement for your current speedometer and can be made to match your existing instrument dash.

GPS information is gathered from an internal GPS antenna. **No external antenna required.** The Faria GPS Speedometer uses a highly accurate 48 channel GPS receiver. You can be sure that the Faria GPS Speedometer is giving you the most accurate GPS information available on the market today.

Course Over Ground (COG) and actual heading (compass heading over ground) are displayed on the digital LCD.

Speed data is shown by an analog pointer. This pointer is driven by a digital stepper motor for increased accuracy and minimized pointer bounce during vessel operation.

### Display

The character LCD displays 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.

### Interface

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

### 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.

### Enclosure

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

Fits a standard 4 inch instrument dash hole.

KTF049 - Optional GPS external antenna.





## Standard Gas and Diesel

Available in 4 and 5 inch sizes with multiple ranges;

6000 RPM for Inboard and I/O engines

7000 RPM for all out board engines

3000 - 5000 RPM for diesel engines

These tachometers are available for all ignition systems, alternators and diesel engines.

Available with or without a digital hourmeter which records up to 999999.9 hours.



## SystemCheck Tachometer

7000 RPM universal tachometer with warning indicators for the Bombardier/Evinrude/Johnson SystemCheck engines.

Warning lights for No Oil, Engine Overheat, Check Engine and Low Oil.

Available in all Faria styles.



## Suzuki Monitor Tachometer

7000 RPM universal tachometer with warning indicators for the Suzuki engine monitor system.

Warning lights for Check Engine, Temperature, Oil Level and Rev Limit.

Available in all Faria styles.

Coming in early 2013 Webber engine monitors.



## OBD Tachometer

Tachometer with warning indicators for the OBD (On-board diagnostics) monitor system.

Warning light indicates an OBD alert from the engine ECU.

Contact Faria for available styles and part numbers.



## Programmable Tachometer with Hourmeter (OEM)

This tachometer can be programmed to function with 1, 2, 3, 4, 6 and 8 cylinder gasoline engines or with diesel engines, and can be used with most ignition coils including Alternator and Mag pickup inputs.

The analog looking dial and pointer sweep is driven by a digital stepper motor providing greater accuracy and dependability than magnetically wound gauges. You get the advantages of digital instrumentation with the look and feel of the analog gauges.

Contact Faria for available styles and part numbers.



## 2-inch Tachometer (OEM)

Available in ranges from 1500 RPM to 4000 RPM. This 2-inch Tachometer connects to the Alternator signal. The tachometer has four range selections for rough calibration and an adjustment potentiometer for fine adjustment.































## Did not see what you are looking for?

Faria Marine Instruments has a lot more to show you. There are more than 300 boat manufacturers world wide using Faria gauges. We lead the industry with a wide variety of instruments and engine monitoring devices.

Faria's high level of flexibility, competitive pricing and unsurpassed quality have helped to make Faria a World-Leading manufacturer of engine instrumentation.

Our in-house, innovative product design and development, component manufacture, and instrument assembly allows us to respond quickly to the market's needs. Quality dependable products and a brand name you can trust.

All Faria instruments are performance proven under the most demanding conditions. You can rely on our American made products for quality, durability, and easy installation.

We invite you to find out more about us and how we can help you and your engine monitoring needs.



Bob Chayrigues  
Aftermarket Sales Representative

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*Whether we are producing instruments for offshore racers, runabouts, off-road vehicles, snowmobiles, or military vehicles, Faria is committed to providing quality instruments built to withstand the harshest conditions.*

We are always available to answer questions about our instruments, please call our Customer Service number at; **860.848.9271 ext. 1229** or **800.473.2742**



**Made in the USA for more than 50 years.**



**[www.faria-instruments.com](http://www.faria-instruments.com)  
or call 860-848-9271**