

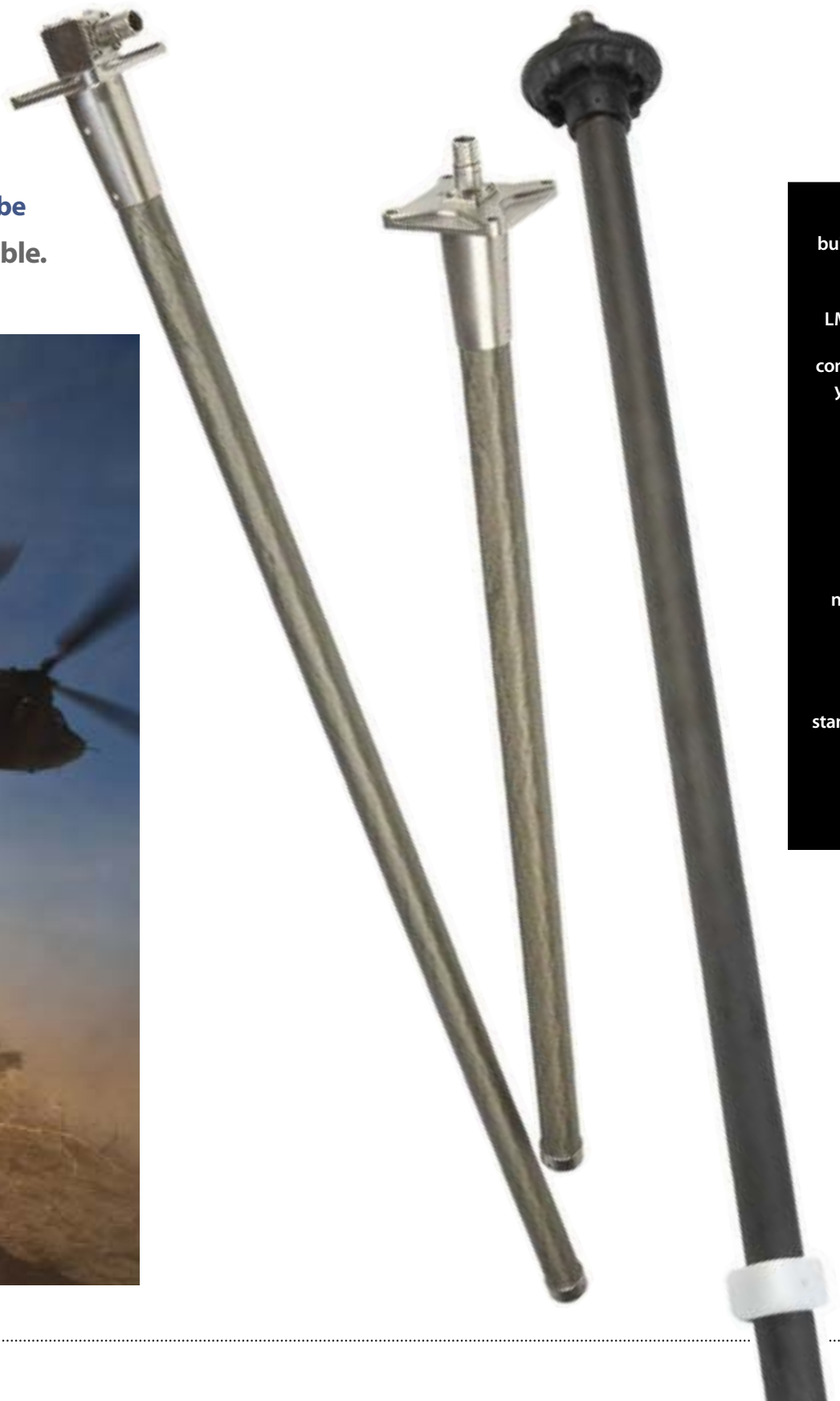


LEADING THE WAY IN
AVIATION
FUEL SYSTEMS

LIGHT

In aviation every pound counts. We at LMS have developed **innovative technology that performs at a superior level.** By stripping away every unnecessary ounce, all of our products improve the performance, safety, and reliability of our customer's aircraft. **Our Carbon Composite Fuel Probe weighs approximately half as much as a similar metal probe** and is **far more durable.**

Our 38" long composite probe with cable weighs **less than 10 ounces** – half what a metal probe weighs.



Customized products built for your system needs

■ ■ ■

LMS designs and delivers components or a comprehensive solution for your full system needs.

Carbon fiber fuel probes, the lightest in the industry

■ ■ ■

Lightest and smallest nickel plated aluminum signal conditioners

■ ■ ■

Indicators fit standard cockpit instrument panels and are half the weight of legacy indicators





SAFE

Safety is our number one priority. Our products take an innovative approach to reducing conductive metal in fuel tanks, reducing the amount of electricity required to read fuel, and preventing stray

voltage from entering a fuel cell. Our systems are **SFAR-88, DO-160, DO-178** compliant and exceed the strictest safety standards for

both civilian and military aircraft. **LMS probes are the strongest and most resilient ever made;** yet, in a crash or hard landing our

carbon composite probes are **designed to crush rather than puncture** the fuel cell. Supporting the goal of fuel containment is a major reason

customers choose LMS probes.



Our Multi-channel signal conditioners are the lightest and **the smallest in the industry.**

Instrumentation you can count on increases a mission's effectiveness and can save lives.

LMS gives you the most accurate measurement of useable fuel in the industry.

Our advanced designs compensate for fuel temperatures, aircraft attitude and fuel slosh. Our fuel probes have an integrated Faraday cage to shield against EMI.



ACCURATE



Employs Built in Test (BIT) for self system-monitoring



Reduces conductive metals in fuel cell



Reduces electrical power in fuel cell



Probes crush in a hard landing to help insure fuel containment



SFAR-88 Compliant





BEST VALUE

LMS' fuel gauging technology delivers the best

Design and Manufacturing Excellence mean low life-cycle costs.

Pre-Factory Calibrated



Immune to Metal Fatigue and Denting



Immune to Corrosion



Anti-Corrosive Bonded Electrical Connection



No Friction or Riveted Connections



Million-Plus Hours Before Required Replacement



Signal Conditioner Capable of Controlling Pumps and Valves

value in the market by virtually eliminating installation and maintenance costs, for savings that keep adding up over the life cycle of each aircraft you build or maintain.

Our parts arrive pre-calibrated from the factory, which translates to shorter and more predictable installation times and calibration you can count on. LMS components are engineered and manufactured to stand up to the most adverse conditions, requiring no regular maintenance or regular inspections.

LMS delivers the highest levels of reliability and accuracy, lowest lifetime costs and best value in the industry.



Standard Options

The standard features shown below are just a beginning. Please call to discuss your unique technical requirements.

Signal Conditioner SFAR88 Compliant	Analog	Digital	AC	DC	Fault Monitoring	Glass Cockpit	DO160	DO178
Inputs	●	●	●	●	●	●	●	●

Probes SFAR88 Compliant	Analog	Digital	Flange Mounted	Bracket Mounted	Terminal Blocks	Pig Tail	High Level Switch	Low Level Switch	DO160
AC	●	●	●	●	●	●	●	●	●
DC	●	●	●	●	●	●	●	●	●

Indicator	Digital	# of Lines	# of Volumes	NVG Compatible	Dimable	DO160 Compliant	DO178 Compliant
2" Round	●	1	2	●	●	●	●
2" Square	●	4	8	●	●	●	●

About Us

LMS began in 1989 with one big idea - replace the metal tubes used in fuel probes with graphite composite. It was lighter, more durable and wouldn't corrode. We began manufacturing these new probes shortly thereafter using the highest manufacturing and quality standards. We expanded into signal conditioners and fuel gauges, adding additional manufacturing and engineering staff. Today, our facility is fully AS9100:2009 and ISO9001:2008 certified. In 2006, the company moved to its current location in Georgia, Vermont where we currently develop and manufacture systems for some of today's most well-respected aircraft, including the CRJ 100/200, MD-87, F-16, Chinook, Blackhawk, Apache, Comanche, LittleBird, Cobra, Huey, and S-97 Raider.





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