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
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.

SAFE 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.

ACCUARATE Our Multi-channel signal conditioners are the lightest and the smallest in the industry.
LMS’ fuel gauging technology delivers the best 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.

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.