

Custom Electronics and Fluid Level Sensors - Automotive Market



Contact Information:

Standex-Meder Electronics

Headquarter
4538 Camberwell Road
Cincinnati, OH 45209 USA

Standex Americas (OH)

+1.866.STANDEX
(+1.866.782.6339)
info@standexelectronics.com

Meder Americas (MA)

+1.800.870.5385
salesusa@standexmeder.com

Standex-Meder Asia (Shanghai)

+86.21.37820625
salesasia@meder.com

Standex-Meder Europe

(Germany)
+49.7731.8399.0
info@standexmeder.com

Automotive design engineers strive to increase fuel efficiency by reducing the size and weight of each component. So they rely on Standex-Meder engineers to provide assemblies as well as ideas, engineering expertise and assistance at every stage. Whether a project is in design, test or production – Standex-Meder delivers.

We supply various components used throughout consumer and commercial vehicles. Our family of washer fluid sensors includes 45 designs with 8 standard connectors. Our auto immobilizer security antennas are used by every major auto manufacturer.

We can provide components or integrate them into value-added assemblies to streamline production and reduce assembly time and cost. In house capabilities – including molding, stamping, winding, termination and assembly make us unique and uniquely qualified to handle automotive applications. And our “global footprint” means that we manufacture worldwide to simplify shipping, logistics and saving costs.

Custom Standex-Meder assemblies for automotive applications:

- Float level switches for Brake fluid
- Liquid level sensor for Washer fluid
- Immobilizer coils for ignition switches
- Proximity sensors for brake pedal positioning and hood latch verification
- Antenna coils for tire pressure monitoring receiver and security systems
- Keyless receiver antennas for vehicles
- Dual-solenoid coils for anti-lock brake systems for truck air brakes
- Electronic Key for antennas for door lock systems
- Antenna coils which mount outside the rear-view mirror
- Self-supported air winding for antenna transmitter and receiver applications

Automotive Design Capabilities:

- Experienced in Automotive Standards and Design Requirements
- Low, High & Radio Frequency Magnetic Component Engineering
- Sensor & Reed Switch Engineering
- Fully Equipped Certified Test Labs
- Mechanical Engineering & Electronic Component Packaging
- 3-D Solid Modeling Design
- Plastic Molding Capabilities
- Wire Prep and Wire Harness Assembly
- Rapid Prototyping
- Laser Welding
- Hi-volume, Progressive Die Stamping
- Glass to Metal Sealing
- 52ga - 8ga & Foil
- Magnetic Component
- Winding
- Wind and assemble all core shapes and types
- Connector & Terminal Engineering
- Power Supply & Other Systems Engineering
- Our manufacturing facilities are Registered to ISO/TS16949:2002
- Complete lab & test capabilities for Mil/Aero, automotive and other industries



Laboratory test capabilities for lighting applications:

- Thermal Shock Testing (-70°C to 200°C, LN2 boost assures less than a 5 minute air-temperature recovery time)
- Thermal Cycle Testing (-68°C to 177°C)
- Humidity Testing (-18°C to 93°C, 98% RH, cycle temp or steady state).
- Vibration Testing (Sine or Random profile, 1" pkpk displacement, 0 to 80 g pk, 5 to 2000 HZ)
- Mechanical Shock Drop Testing (½ sine 50g 11ms, ½ sine 1500g .5ms, or sawtooth 100g 6ms)
- Hi Temp Testing (Up to 260°C)
- Salt Fog Testing
- Solderability Testing

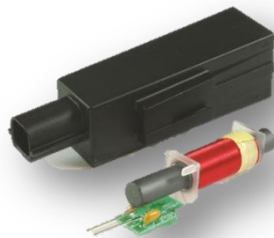
Liquid level sensors for
all types of automotive
fluids



Liquid level sensors



Keyless entry
device for motorcycle



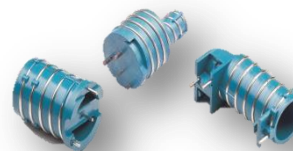
High frequency
inductor for
engine control



Molded magnets for
activating reed switches
in fluid level sensor
applications



Tire pressure
monitoring antennas



Immobilizer coils for
automotive security
applications



Magnetic reed
switches for
position sensing

