



AVAILABLE FOR SAME-DAY SHIPPING

Internet of Things (IoT) Sensors

To support Internet of Things (IoT) applications, L-com offers a wide selection of sensors and transmitters that deliver data to controls networks used in a number of industries. These IoT sensors provide years of trouble-free operation and offer excellent range, accuracy, sensitivity and the ability to operate in harsh environments.

Examples:

Pressure Sensors - PS8808 Series

The PS8808 Digital Output Pressure Transducer product family consists of piezo-resistive pressure sensors with 316L stainless steel corrugated diaphragm and isolated oil-filling construction. The sensing package utilizes silicone oil to transfer pressure from the 316L stainless steel diaphragm to the sensing die. The pressure is transformed to an analog electrical signal. With an integrated circuit for temperature compensation and nonlinear correction, it provides output data conforming to I²C interface protocol.

The PS8808 is well suited for numerous applications including gas and liquid pressure measurements for industrial process control, cooling and air conditioning systems, as well as aviation and navigation systems.



Pressure Transmitter - PT989 Series

The PT989 product family consists of highly stable and reliable pressure transmitters with span and zero correction. PT989 pressure transmitter comes in a compact size, and is lightweight and stable.

The PT989 is well suited for numerous applications in metallurgy, mining, chemicals, water supply and waste management.



Level Transmitter - LT989W Series

The LT989W product family consists of highly stable, reliable and fully sealed submersible level transmitters. The LT989W level transmitter comes in a compact size, and is lightweight and stable.

The LT989W is well suited for numerous applications in metallurgy, mining, chemicals, water supply and waste management.



Pressure Sensors - PS781 Series

The PS781 product family consists of highly stable piezo-resistive pressure sensors with wide temperature compensation and zero correction. It contains a highly stable silicon die, stainless steel 316L housing with diameter 19 mm. The measured pressure is transmitted onto the silicon die through the 316L diaphragm and inner media. This transforms the measured pressure into an electrical signal.

The PS781 is well suited for numerous applications including gas and liquid pressure measurements for industrial process controls, cooling and air condition systems, as well as aviation and navigation systems.



Pressure Sensor - PS783 Series

The PS783 product family consists of highly stable piezo-resistive pressure sensors with wide temperature compensation and zero correction.

The PS783 is well suited for numerous applications including gas and liquid pressure measurements for industrial process controls, cooling and air condition systems, as well as aviation and navigation systems.



Differential Pressure Sensor - PD790 Series

The PD790 product family consists of highly stable and reliable piezo-resistive pressure sensors with wide temperature compensation and zero correction. It contains a highly stable silicon die, stainless steel 316L housing with diameter 19 mm. The measured differential pressure is transmitted onto the silicon die through the 316L diaphragm and inner media. This transforms the measured pressure into an electrical signal.

The PD790 is well suited for numerous applications including gas and liquid pressure measurements for industrial process controls, and venture and eddy-current flow meters.



Pressure Transmitter - PT9503 Series

The PT9503 product family consists of highly stable and reliable pressure transmitters with span and zero correction. It is a cost-effective product which adopts micro-fused technology pressure sensor and special designed amplifier circuit. With linear correction and temperature compensation, it can effectively resist water hammer effect, and solves the problem of momentary overload pressure and also could meet different needs for pressure measurements and control in various environmental conditions.

The PT9503 is well suited for numerous applications in smart agriculture, fire fighting, irrigation, water supply and waste management.



Integrated Pressure & Temperature Sensor

The L-com PRT800 series of integrated pressure and temperature sensors feature a micro fused silicon strain gauge. The integrated design of the elastomer and pressure interface eliminates the potential for leaks seen in other designs. Sensitive PT100/1000 temperature sensing elements, together with intelligent temperature compensation result in accurate temperature measurements over a wide range of -20 to +85C. Pressure and temperature outputs are independent and accurate to within 0.5% of full-scale value. The 22mm diameter, highly durable and corrosion resistant stainless-steel housing means years of trouble-free operation.



Temperature and Humidity Sensors

The L-com SRTH series of temperature and humidity sensors consist of various form factors and types for industrial automation and process control applications. Threaded pipe versions feature sensitive platinum resistance elements encapsulated in corrosion resistant stainless-steel housings for long term stable performance. A subset of rugged infrared sensors allows for fast and accurate temperature measurements where contactless sensing is required. Our duct mount version combines both temperature and humidity sensing into one device, perfect for HVAC and building automation applications. Both measures can be monitored and recorded with our sleek wall-mount datalogger, featuring RS485 output.



Air Quality and Environmental Sensors (Gas, Dust, Light, Noise, Water Leak, Temperature, Humidity)

The L-com SRAQ series consist of a comprehensive offering of various air quality sensors. Pollutants such as various gases and dust can be measured and, together with corresponding air handling equipment, maintained at acceptable levels. Our air quality monitors combine various measures into one device and are well suited for building automation as well as factory floors. There are sensors for smoke and flammable gas detection, as well as other harmful gases of both the odorous and non-odorous variety, which may cause respiratory illness and other potentially harmful conditions. General environmental monitoring is possible with multifunction sensors that can measure ambient noise and light in conjunction with temperature, humidity and even CO2 concentrations. Module versions (PCB cards) with pin headers are also available for integration into custom devices.



Current Sensors (AC/DC)

The L-com SRCN series of AC & DC current sensors and over-current protection modules measure and monitor current consumption in fans, pumps, motors, and other industrial equipment. They can also be used in building automation and facility management systems where acquiring information on energy usage can lead to increased efficiency. Featuring various output types and sensing ranges from 1 to 300 amps, this line of sensors has low power consumption and can help detect equipment issues, thereby reducing the risk of damage caused by over-current and/or short-circuit conditions.



Water Quality Sensors

The L-com SRWQ series of water quality sensors measure various parameters associated with water treatment, industrial equipment maintenance and general environmental monitoring applications. The pH of water impacts machine life and has wide ranging impacts on aquatic life as well. Dissolved oxygen makes drinking water taste better, however high levels can increase the rate of corrosion in pipes and equipment. Our water quality sensors accurately monitor these measures and more. Featuring PPT housings (SS turbidity sensor) along with 4-20 mA and RS485 outputs, the sensors can also be used in chemical production, food and beverage industries and other industrial automation or process control applications.



Proximity Sensors

The L-com PX line of proximity sensors are a comprehensive offering consisting of a variety of sensor types primarily used for contactless object detection and part counting. These include Inductive, Capacitive, Ultrasonic, Contact, Photoelectric, and Fiber Optic technologies. Targeting for use in the industrial automation and process controls industries, our sensors feature rugged, industrial grade housings in a multitude of shapes, sizes, and sensing ranges. With common output types of both the digital and analog variety. We have sensors compatible with industry standard PLCs and other monitoring and/or control equipment.



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Learn more about L-com's IoT Solutions at [L-com.com](https://www.l-com.com)

Ordering is easy through the L-com website where we provide quality, off-the-shelf IoT products with a commitment to in-stock availability and same-day shipping.



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