

We have a solution for you...



**LTH**

Electronics

[www.lth.co.uk](http://www.lth.co.uk)



Global warming and the shortage of natural energy resources are having more of an effect on everyday life.

The importance of accurate process control and reliable measurement has become more important than ever.

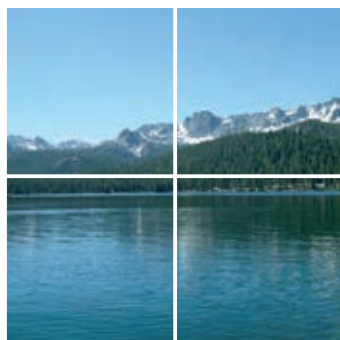
LTH Electronics Limited are based in Luton, England and we have been designing, manufacturing, marketing and servicing instrumentation and sensors for liquid analysis and process measurement since 1967.

We pride ourselves on the quality of our products and the support we offer to all of our customers. We continuously strive to exceed expectations.

As a quality assured and ISO9001:2008 registered company, we offer a 3 year warranty on all of our instrumentation, with a comprehensive and reliable aftersales service.

Our products are marketed and supported globally through our network of LTH trained Distributors.

Call us on **+44 (0)1582 593693** or visit [www.lth.co.uk](http://www.lth.co.uk) for a full distributor list.



Product featured: MXD70 series

exceeding expectations in liquid analysis

**LTH**  
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and process management

# Process Measurement and Control





As water becomes a precious commodity and a shortage of natural resources affects our everyday life accurate process control and measurement becomes crucial.

LTH Electronics are specialists in analytical measurement and can help whether you want to control water consumption, monitor water quality or reduce the effect of waste on the environment.

#### **Conductivity Measurement**

Our contacting conductivity instrumentation and cells are used for pure water measurement where accuracy and traceable certification can be an industry requirement.

#### **Electrodeless Conductivity Measurement**

We manufacture Electrodeless conductivity sensors which are tolerant of high temperatures and aggressive chemicals, making them suitable for clean in place (CIP) applications for solution concentration or interface measurement.

Electrodeless conductivity and Redox (ORP) measurements are used extensively in cooling tower control to improve efficiency and prevent biological growth which leads to health hazards. Redox can also control the addition of an oxidising agent which is used for water disinfection.

#### **pH Measurement**

pH is a measurement frequently used in process control where many chemical reactions require the pH to be maintained at the correct value. We provide pH instrumentation and electrodes for a wide range of process applications. This instrumentation can be used to treat and neutralise waste before discharge to meet the requirements of environmental legislation.

LTH pH equipment is also used in metal finishing, biotechnology, municipal and industrial waste water applications.

#### **Dissolved Oxygen Measurement**

Dissolved Oxygen measurement is used to monitor the condition of a river or control an aeration process in a sewage works or wastewater plant. Our Dissolved Oxygen equipment is suitable for fish farming, biotechnology, wine and beer applications.

#### **Suspended Solids Measurement**

LTH offer suspended solids and turbidity sensors for applications in dairy factories for product water interface or to detect milk loss, reducing waste, saving money and preventing pollution. They can also be used in other applications in the water, wastewater and brewing industries.


#### **Level Measurement**

We supply Ultrasonic and capacitance level instrumentation for controlling the level of liquids and solids in reservoirs, tanks or silos and pump control to prevent over filling and spillage.

#### **Flow Measurement**

The accurate measurement of flow in process applications can make the difference between making a profit and losing money. One aspect of flow monitoring is the measurement of incoming water in factories against the amount of effluent being discharged.

LTH offer the following methods of flow measurement: Ultrasonic for open channel flow, Electromagnetic (Magflo) for conductive liquids in pipes and non intrusive time transit flow for in pipe measurement.



After-sales support is of paramount importance to us and you, our customer; LTH aims to ensure you have the exact equipment you need, within the required timescale, backed up by an outstanding customer service.



# Our Service Commitment

LTH provides a comprehensive and dependable after sales service through our dedicated and fully trained customer support team, that are only a phone call away.

Whether it's planned maintenance, emergency support, installation, on-site commissioning, product training, troubleshooting or calibration to traceable standards, LTH provide all the support and service you could require. Our maintenance packages are also tailored to suit your individual requirements.

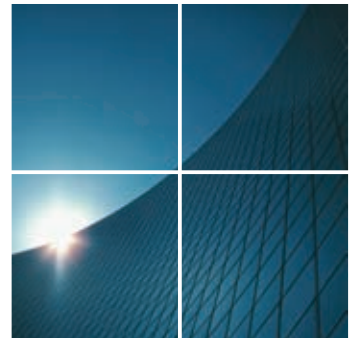
The technicians from our service division ensure that your process control equipment is functioning and operating as it was originally designed, reducing the risk of production downtime through a pre-planned maintenance schedule.

LTH are also an ISO9001: 2008 registered company who offer a 3 year warranty on all their instruments. In the event that your instrumentation fails or needs to be returned to our repair facility, it will be dealt with quickly and efficiently ensuring as little disruption as possible.

Through our on-site and in-house calibration facilities we are able to ensure that your instrumentation remains within specification, year on year, providing testing and calibration documentation traceable to national standards.

Our world-wide distribution and local representative network ensures customers have constant and prompt access to LTH's in-depth application knowledge, measurement know-how, customer service, country specific technical expertise and application advice.

Our website [www.lth.co.uk](http://www.lth.co.uk), provides easily accessible up to date technical information, application notes and product manuals.





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