



Product Catalogue

Trusted Submersible Depth and Pressure Transmitters



‘The Field Instrumentation of Field Engineers’



+ 44 (0) 1243 820200

Background

Based in West Sussex, Sandhurst Instruments Ltd have been trusted manufacturers and suppliers of Depth and Pressure instrumentation for over 25 years. Our precision and attention to detail has resulted in us achieving loyal and long-lasting relationships with our wide and diverse customer base.

Our commitment to innovation and customer service is evident through our extensive experience and dedication to meeting the specific needs of various industries – particularly the water industry. Our vision and mission to improve efficiency, accuracy, and environmental impact through our field instrumentation solutions showcases our forward-thinking approach.

We have a team of experienced, knowledgeable, and friendly professionals. We provide innovative solutions and deliver to target deadlines. Our focus on offering accurate, reliable, and customised products for long-term monitoring and measurement of water demonstrates a commitment to meeting the unique needs of our customers.

Our emphasis on delivering high-quality, standard and bespoke solutions sets us apart in the industry and showcases our passion for excellence in product development and customer service.

We offer 24-hour delivery to customers within the U.K.

This guide provides an overview of our products. We encourage you to visit our website or contact us directly to order, and for additional information or assistance.

LH171 Depth Transmitter



Ground/Sea Water Stilling Tubes Wastewater



- Pressure sensor that has been designed for the rigors of harsh environments
- Diameter: 19mm
- Micro-processor controlled
- Designed for use in stilling tubes, reservoirs and boreholes
- Fully submersible, watertight, and waterproof
- Calibration and range can be modified through software
- Fully WRAS approved, meeting BS 6920:2014 standards
- For use with potable drinking water
- Range of models to meet your requirements

Min. Full Scale Range mwg	2mwg
Max. Full Scale Range mwg	200mwg
Over Pressure %	200
Burst Pressure %	300
Input Current/Voltage	15-36Vdc
Output in mA	4-20mA
NLH % FS	+/- 0.1
Temp Coeff-Zero % FRO/C	0.02
Temp Coeff-Span %FRO/C	0.02
Lightning Suppression	YES
5:1 Turndown	YES
Zero & Span	YES
Dimensions (mm)	19 x 125
Wire	2 Wire

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[Spec Sheet](#)

LH176 Depth Transmitter



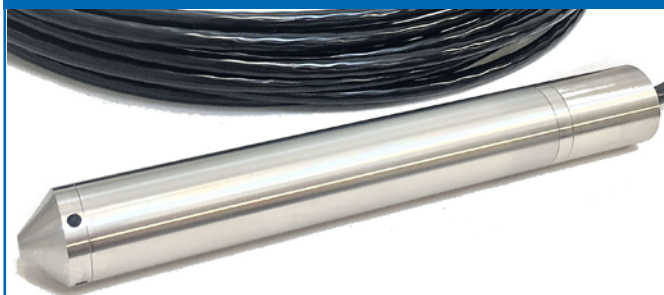
Wastewater Surface Water Ground/Sea Water

- Pressure sensor that has been designed for the rigors of harsh environments
- Diameter: 30mm
- Fully submersible
- Fully watertight and waterproof
- Zero and span controls alongside lightning suppression
- Calibration and range can be modified
- Modules are adjustable and replaceable
- Suitable for use with both drinking water and blackwater
- Range of models to meet your requirements

Min. Full Scale Range mwg	2mwg
Max. Full Scale Range mwg	200mwg
Over Pressure %	200
Burst Pressure %	300
Input Current/Voltage	15-36Vdc
Output in mA	4-20mA
NLH % FS	+/- 0.1
Temp Coeff-Zero % FRO/C	0.02
Temp Coeff-Span % FRO/C	0.02
Lightning Suppression	YES
5:1 Turndown	YES
Zero & Span	YES
Dimensions	30 x 220
Wire	2 Wire

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LH176 - Microprocessor



**Surface Water
Ground/Sea Water
Wastewater**



The LH176-M transmitter is a fully submersible Depth Transmitter that has been designed for the rigors of harsh environments. It features the industry standard of 4 – 20mA output signal with an accuracy of 0.1%. It is suitable for permanent level measurement level measurement of up to 200m water column.

- Microprocessor controlled
- Fully submersible
- Reliable and economic
- Calibration and range can be modified in situ
- Suitable for drinking water and blackwater
- Viton 'o' rings fitted
- Made from 316L stainless steel

Min. Full Scale Range mwg	2mwg
Max. Full Scale Range mwg	200mwg
Over Pressure %	200
Burst Pressure %	300
Input Current/Voltage	15-36Vdc
Output in mA	4-20mA
NLH % FS	+/- 0.1
Temp Coeff-Zero % FRO/C	0.02
Temp Coeff-Span %FRO/C	0.02
Lightning Suppression	YES
5:1 Turndown	YES
Zero & Span	YES
Dimensions (mm)	30 x 125
Wire	2 Wire

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LMK 307



**Blackwater
Wastewater
Fuel & Oil**



The LMK 307 Depth Transmitter is intrinsically safe and designed for continuous level measurement in water or wastewater applications. Basic element is a flush mounted ceramic sensor. Suitable for all fluids which are compatible with media wetted materials.

Preferred areas of use are:

Water

- Drinking water system
- Ground water monitoring
- Storm water systems

Sewage

- Wastewater treatment
- Water recycling dumpsite

Fuel / Oil

- Fuel storage
- Tank farm
- Biogas plants

Nominal pressure:

from 0-4 mH2O up to 0-250

Output signals:

2-wire: 4-20 mA

3-wire: 0-20 mA / 0-10 V others on request

Special characteristics: Diameter 27 mm

Good linearity

Good long-term stability

Easy handling

Optional versions: IS-Protection

SIL 2 (Safety Integrity Level) according to IEC 61508 / IEC 61511.

Different kinds of cables and elastomers customer specific versions

e. g. special pressure ranges

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LH261 Pressure Transmitter



The LH261 non-submersible Pressure Transmitter is composed of a ceramic and stainless steel sensor with excellent long-term stability. It is adaptable for chemical use and includes zero and span controls.

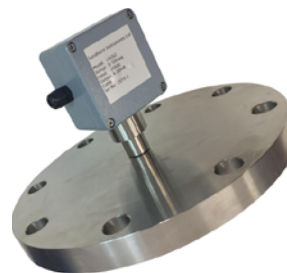
- Low temperature drift
- Long term stability
- Lightning suppression
- 5:1 turndown
- Aluminium IP66 Enclosure

Chemical Use:

- Sodium Hydrochloride (SH)
- Orthophosphoric Acid (OPA)
- Sodium Sulphate (SS)

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LH262 Flange Mounted Pressure Transmitter



This mounted Pressure Transmitter is fixed onto a stainless-steel flange.

The flush mounted stainless steel sensor is attached in the centre of the flange. Sizes can vary dependent on customer requirements.

- Lightning suppression
- Zero and span controls
- Long term stability
- 5:1 turndown
- Can be manufactured to customer requirements and specifications

Chemical Use:

- Sodium Hydrochloride (SH)
- Orthophosphoric Acid (OPA)
- Sodium Sulphate (SS)

[View Product](#)

IFM PN/PE PRESSURE SENSOR WITH DIGITAL DISPLAY



- Measuring, temperature, and various output signals available on application
- Two switching outputs, one of them programmable as IO-Link and one as analogue output
- Red/green display for clear identification of the acceptable range
- The process connection can be rotated for optimum alignment
- With long-term stability thanks to high overload protection
- Robust design for use in harsh industrial environments

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POLYMORE MINI 3-0,6



The Polymore mini 3-0,6 is a complete dissolving- and dosage equipment for liquid, concentrated polymer in emulsion- or dispersion form. It includes a mixing chamber with a built-in agitator and a system for solvent water including valves, flow meter, a flow switch, and a control cabinet with a built-in pump for the concentrated polymer.

Dip Meters

Our Dip Meters are available in a range of lengths from 10 – 300 metres.

Every Dip Meter is available with an accompanying buzzer and light attachment for even greater accuracy when taking water level measurements.



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Sandhurst Instruments are the U.K. distributors for Monarch Instruments and Amelec Instruments

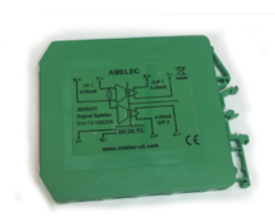
Monarch Instruments: U.S.-based Monarch Instruments are a world leader, providing a wide array of Precision Measuring and Inspection Instruments to a range of industries, and we are proud to be a leading supplier of their products. With a wide range available including Tachometers, Stroboscopes and Speed Sensors we can source all of their instruments, delivering them to you from across the Atlantic quickly and efficiently.

Amelec Instruments: Further to our partnership with Amelec UK, you can now buy the full range of Amelec instrumentation that has been added to our catalogue.

Contact Us For Information And a Quotation For All Amelec and Monarch Products



**AEC230 AC/DC – Amelec
Signal Converter**



**ADG231 – Process 4-20mA
Signal Splitter Isolator**



**Monarch Precision
Instruments**



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Accessories



LHTB-1 Terminal Box



LH176 - Modules



RT-4 Remote Transmitter Unit



LH171/LH176-M Stainless Steel Weight



LH171/LH176-M Recalibration Box



LH176 - Calibration Kit



LH171 - CA Calibration Adaptor



LH171/LH176-M - Re-Ranging App USB Device



LH176 - Stainless Steel Nose Cone



LH176 - Calibration Test Lead



WRAS Approved Cable



LH176 - Stainless Steel Extractor Tool



LH261 - 1/4 to 1/2 Female Thread Adaptor



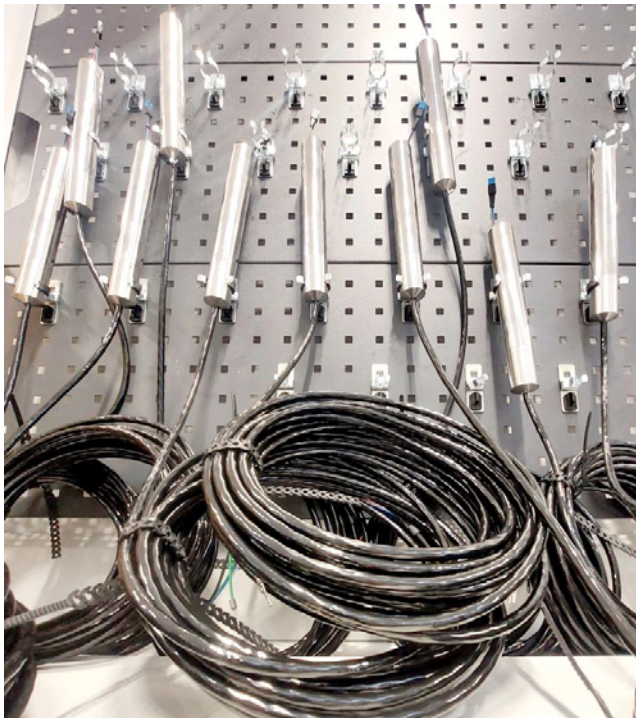
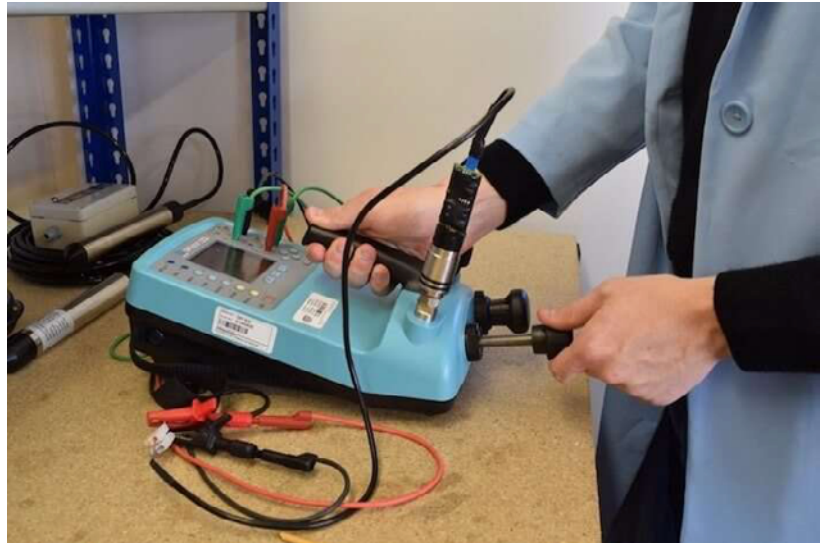
LH171 - Cable Metre Markings



LH261 - 1/4 to 1/2 Female Thread Adaptor

Company Profile

Based in Runcton, West Sussex, Sandhurst Instruments was incorporated in 1999. Providing a variety of industries with trusted Depth and Pressure Transmitters within (but not exclusively to) the British market. We manufacture all our own products on site, and this provides our customers with precision and on time deliveries. In addition to our knowledgeable and friendly staff.



Sandhurst Instrument is a nationally recognised company specialising in the design and manufacture of high-performance sensors, specifically designed for the measurement of pressure and level. We have been developing solutions for customer specific applications since 1999. Our products are based on highly developed technology with significant market success in applications including Nuclear Energy, Automotive and Process Controls and in particular – the Water Utilities industry.

We are constantly demonstrating our innovation, imagination, and attention to detail and this is evident in our approach and execution.

