

KONGSBERG Pressure Transmitters and Level Switches

Selection guide

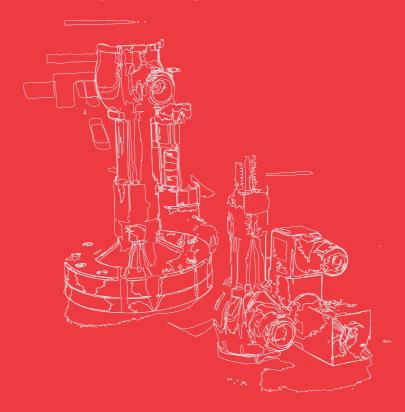


KONGSBERG Pressure Transmitters and Level Switches

For all purposes Selection guide Your sensor supplier

Maximize performance

by providing The Full Picture



We shall earn the respect and recognition for our dedication to provide innovative and reliable marine electronics that ensure optimal operation at sea. By understanding their needs, and then translating these utilising and integrating our technology, experience and needs into successful products and solutions is central competencies in positioning, hydroacoustics, communito achieving our goal. cation, control, navigation, simulation, and automation, Our people are the key to our success and we empower we aim to give our customers The Full Picture. The Full them to achieve. Working together in a global network Picture yields professional solutions and global services of knowledge, guided by our values, engenders innovathat make a difference enabling you to stay ahead of tion and world class performance. Every day we have to

Our success depends on the success of our customers Actively listening to our customers and truly

think a little differently, because every client is unique. We aspire to translate the imagination and dedication of our staff into successful technologies and solutions. Our commitment is to add value to your operations by providing you with The Full Picture.

For all purposes

Major supplier for more than 40 years

Kongsberg Maritime has been a major supplier of pressure transmitters and level switches for more than 40 years. Most of our customers are in the maritime market and our sensors are mainly used for diesel engine and cargo/deck instrumentation. In addition we serve a base of reputed industrial clients with custom made sensor solutions.

Kongsberg Maritime provides you with high performance transmitters and switches for applications including;

Pressure transmitters:

- Marine and industrial diesel engines
- Inert gas pressure
- Vapour line pressure
- Cargo line manifold pressure
- Ballast pump and line pressure
- Atmospheric pressure
- Gears and gearboxes
- Lubrication systems
- Pumps and purifiers
- Compressors
- Boilers

Level switches:

- Water ingress detection
- Tank overfill protection (95%/98%)
- Flow/Non-flow
- Lubrication systems



Water ingress sensor/ Rf based level switch



N-type with drain holes designed for submerged applications. Delivered with PUR cable.



GT300 / GT400 Family of pressure transmitters

We can add to your success

Building on our broad portfolio of solutions and experience, we can assist in giving your products an additional competitive edge. We do this by providing our experience in the selection of innovative technological solutions and mechanical designs that will meet your requirements. By providing quality at every level of the process our customers acknowledge Kongsberg Maritime as a reliable and dependable long term partner.

SENSOR APPLICATION

SENSOR TYPE

SENSOR SPESIFICATION



General purpose applications

Our pressure transmitters of type GT300 and GT400 are general purpose transmitters for use in engine rooms and other similar applications. GT301 is of block mounting design. Block mounting save spaces and facilitates easy maintenance. All general purpose transmitters are gauge types.

Level gauging in ballast and service tanks

Our range of GT400 pressure transmitters are designed to be used for level gauging in ballast and service tanks, draft applications, pump pressure (suction and pressure side), submerged ballast pumps or cargo line pressure. All types are based on state of the art technology and incorporate experience gained through more than 40 years working with level gauging.

Tank overfill protection / Water ingress detection

The GL-10 sensor is designed to meet SOLAS and IMO requirements for detection of water level in cargo holds, ballast tanks and dry spaces of bulk carriers.

Our GL-7 is a 95%/98% level switch used for OFP/tank overfill protection.



⁽¹⁾ Pressure ranges in Bar. Standard ranges are given. Other pressure ranges are avaliable upon request.

⁽²⁾ The sensor is Intrinsically safe EEx ia, must be connected to a zener barrier like the KONGSBERG DZ-110 to be used in explosive areas.

⁽³⁾ IP56 as gauge

KONGSBERG Support 24

Installed onbord more than 15000 vessels

Kongsberg Maritime has been in the marine sensor market for more than 40 years. Close relations with customers, tailor made products and world-wide service makes Kongsberg Maritime an attractive sensor and spare part supplier.

During this extensive period of operation we have created a range of sensors and accessories that have been designed specifically for ship and offshore use. Our product range consists of more than 2000 different sensors and our equipment is installed onboard more than 15000 vessels.



Sensor spare parts

Kongsberg Maritime has designed a new sensor spare part supply program. Through this initiative we offer our customers the following commitments and services:

- ISO-9001 certified production
- Engine manufacturer approved design
- Class approval by all major classification societies

We make the sensor you need

We are a customer oriented company, and our flexible production facilities are designed to provide quality custom projects. Our product experts and technological capabilities are utilised to develop sensor solutions with inherent high quality and long lifetime performance.

We are dependable

We recognise the importance of good customer relationships. To maintain them we keep local stocks to reduce delivery times, provide fast custom tailoring, aid problem solving and provide detailed installation guides. There is no substitute for quality, reliability or service.

We are innovativ

We are always incorporating the latest technologies, in order to increase value for our customers. We look beyond conventional approaches and established methods to find new reliable solutions. Our competence is used to push back boundaries and to create new solutions.

We are always there, wherever you need us

Kongsberg customer services organisation is designed to provide high-quality, global support, whenever and wherever it is needed. We are committed to providing easy access to support and service, and to responding promptly to your needs. Support and service activities are supervised from our headquarters in Norway, with service and support centres at strategic locations around the globe – where you are and the action is.

As part of our commitment to total customer satisfaction, we offer a wide variety of services to meet individual customers' operational needs. Kongsberg support 24 is a solution designed to give round-the-clock support. For mission-critical operations, Kongsberg support 24 can be extended to include remote monitoring. We can adapt the level of support needs by offering service agreements, on-site spare part stocks and quick on-site response arrangements.

Global and local support

We provide global support from local service and support facilities at strategic locations world wide. Service and support work is carried out under the supervision of your personal account manager, who will ensure that you receive high-quality service and support where and when you need it. Your account manager will ensure continuity and work closely with your personnel to improve and optimise system availability and performance. Under the direction of your account manager, and with a local inventory of spare parts, our wellqualified field service engineers will be able to help you quickly and effectively.







Solid competence reduces cost

We have always recognised the importance of supporting our products and systems with professional training.

A wide range of courses are therefore offered to ensure that you achieve the goal of full system utilisation with safe and efficient operation.



Product and system upgrades can improve your vessel's operations and reduce your overall maintenance costs. We will ensure that existing products and systems can be extended or upgraded based on standard upgrade kits.

Support 24

Call +47 815 35 355 E-mail: km.support@kongsberg.com

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www.kongsberg.com

E-mail: km.sales@kongsberg.com Telephone: +47 32 28 50 00