



## FUEL CONSUMPTION CONTROL SYSTEM

Specifications and details are subject to change and are given herewith for information only. Binding details and specifications of system and system components only as per quotations issued.

### FUNCTIONALITY

Continuous level/weight monitoring in Fuel /DO tanks with calculation of consumption according to user defined periods - per hour / shift/ day - with automatic generation of encrypted record for authorised use only  
Continuous fuel consumption of main engine and DG monitoring measured immediately before the high pressure pump.

Automatic calculation of fuel usage for predefined periods - per hour/shift/day with automatic comparison with the data generated through the level monitoring system.

Automatic generation of log book for local print-out of data and/or interfacing with ship's communication system for remote review of fuel monitoring data in operator's office.

Continuous comparison between the consumption measured by tank sensors and the flowmeters  
Logging into TCU's memory for a period of time depending on frequency of log generating  
Communication and log data export to an onboard PC for further transmission to owners's office  
Detailed logs as per customer specs.

### Advantages

- High quality sensor of Titanium, Inconel or StSt
- Hermetically sealed with a watertight connection between body and the signal cable
- No venting, recalibration or maintenance
- Installation from the top or from the side of the tank
- Installation at any location in tank, regardless of the tank's flotation centre

### Technical data

Accuracy (level):

Environment temp.:  
Media temperature:  
Storage temperature:  
Protection category:  
Media:  
Material:  
Electrical interface:  
Electrical connection:

Overpressure:  
Burstpressure (<1sec.):  
Intrinsic safety:

### Absolute Pressure Sensor

+/-0,25 % of sensor range  
(+/- 0,1% option)

-25 to 70° C (-10 to 160° F)  
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IP68, continuously submersed  
Seawater, petroleum products  
Titanium, Inconel or StSt  
4 - 20 mA  
1 or 2 pair cables  
(0.50 - 1.25 mm<sup>2</sup>)  
18 bar  
50 bar  
II 1 G EEx ia IIC T4

## A TYPICAL SYSTEM LAYOUT

