THE BALLAST



SMART STRAIN GAUGE LEVEL SENSOR WITH GENERIC 4-20mA OUTPUT

Use <u>one sensor</u> for all shipboard liquid levels

This technology has been designed specifically for surviving the rigors of ballast tank continuous monitoring. It weighs less than 2 oz. and is constructed from 100% pure titanium.

- · It's the size of your thumb
- · Accuracy .25% of full scale
- 100% Titanium
- · Weighs less than 2 oz.
- · ABS/USCG/Lloyds approved
- FM Class 1, Div. 1 Intrinsically Safe
- · Removal without tank entry
- No mercury or other contaminants
- Interfaces to your existing monitoring system
- One sensor for all shipboard liquids: fuel oil, lube oil, fresh water, black water, etc.
- · Generic 4-20 mA output
- Used in 15,000 tanks worldwide

Options:

- Tank management software with Rates of Fill and Time to Fill or empty
- Readouts in gallons, bbls, tons, ullage, etc.
- Can include temperature
- · Big Blue compatible
- EMS Automated Draft, Trim and Heel system compatible
- Various tank display technology



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SMART STRAIN GAUGE LEVEL SENSOR WITH GENERIC 4-20mA OUTPUT

TRANSDUCER SPECIFICATIONS

Standard Transducer:

-20° to +80°C

High Temp. Transducer:

-20° to +125°C

Amplifier:

-40° to +85°C

Submersion:

IP68

ELECTRICAL CHARACTERISTICS

Power Supply:

14-33 VDC

Output Current:

4-20 mA DC.

2-wire system

Intrinsically Safe:

EEx ia IIC T5

OPERATING SPECIFICATIONS

Available in the following psi gauge ranges. Approximate equivalents are shown for feet of water:

0-5 psi

(11 ft. H₂O)

0-10 psi

(23 ft. H₂O)

0-20 psi

(46 ft. H₂O)

0-50 psi

(115 ft. H₂O)

Other gauge and absolute pressure ranges are

available, consult factory.

TYPE APPROVALS

Det Norske Veritas

Germeister Lloyd

Lloyds Register

Bureau Veritas

Reg. Italia Navle Architect

Nippon Kokak

Polish Register of Shipping

American Bureau of Shipping

China Class Society

Maritime Register of Shipping

Korean Register of Shipping

Marine Safety Agency

DEMKO

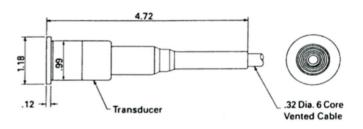
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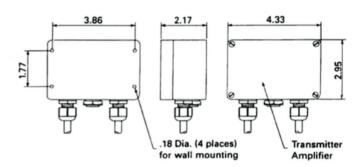
E-mail: emsmarcon@aol.com

Website: www.emsmarcon.com

TRANSDUCER SPECIFICATIONS



AMPLIFIER BOX SPECIFICATIONS



INSTALLATION OPTIONS

