More than sensors + automation

JUMO MAERA S29 SW

High-resistance level probe made of titanium for continuous level measurement

Highly resilient

- Measuring ranges from 100 mbar (1 mWS)
- GL approval for maritime applications
- ATEX approval (intrinsically safe)
- Titanium version is highly-resistant to chemicals, also suitable for media containing chloride

Type 404393

Highly resistant, maritime-proof, and explosion-proof

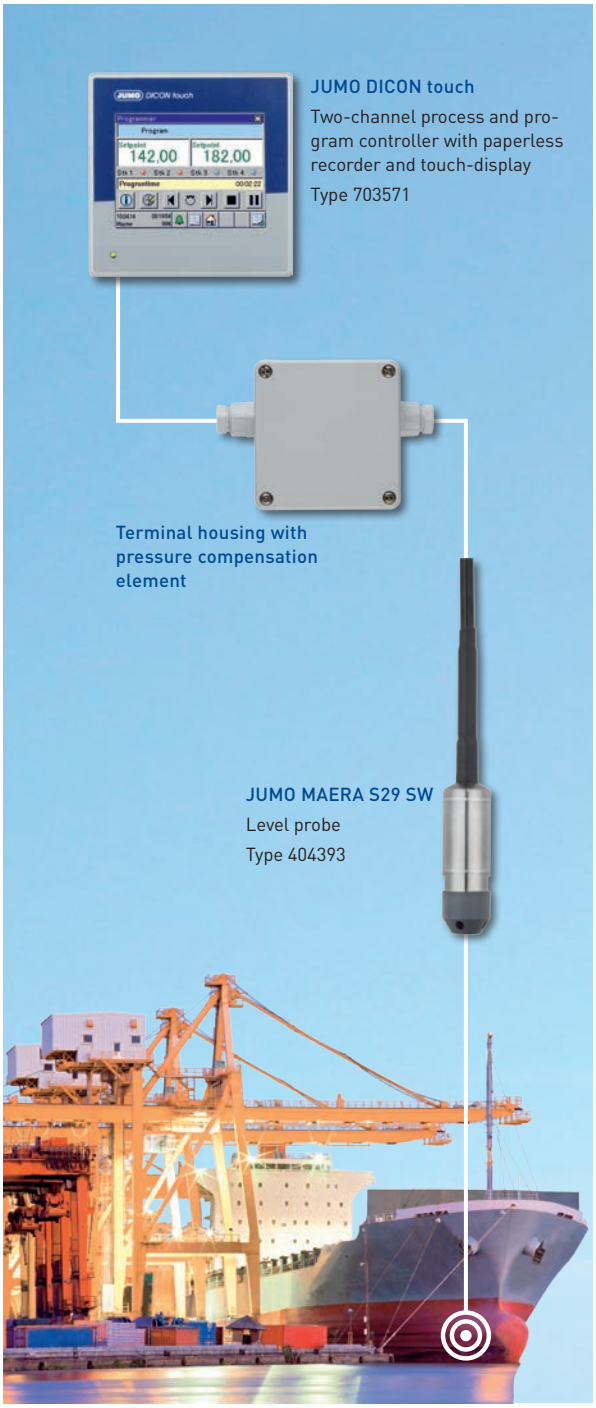
The JUMO MAERA S29 SW level probe is available for measuring ranges from 100 mbar to 10 bar. The chemically high-resistant titanium design and the intrinsically safe ATEX approval allow the probe to also be used in difficult environmental conditions. In combination with the GL shipping approval the JUMO MAERA S29 SW is suitable for such a job as continual level measurement in ballast water tanks to ensure the ideal depth of ships. Moreover, JUMO MAERA S29 SW is also suitable for anti-heeling systems in ships. The probe can be used in swimming pool technology. One specific use here is in backwash water tanks as the probe is also suitable for media containing chloride. Furthermore, the JUMO MAERA S29 SW can be used in semi-liquid and highly-viscous media such as heavy oil.

The level probe has a medium-separated, piezo-resistive measuring system with front-flush membrane and stands out due to its optimum moisture and vibration protection. A two-wire reverse-polarity protection mechanism, which protects the measuring instrument against damage, ensures maximum safety in the event of faulty startup. The setup with a removable protective cap gives users the option of a front-flush variant with G½" external thread. The temperature of the medium can lie between 0 and 50 °C. Lower temperatures are also possible for some media.

Technical data

Description	JUMO MAERA S29 SW
Data sheet	404393
Measuring range	100 mbar to 10 bar relative and 600 mbar to 10 bar absolute
Output	4 to 20 mA
Medium temperature	0 to 50 °C (a larger temperature range may be possible depending on the medium)
Approvals	GL ATEX

Application example – level measurement in a ballast water tank



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