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### Marine tank level measurement portfolio expanded (Jan 25 2013)

PSM Instrumentation has added two new mechanical marine tank level measurement gauge ranges to its TankView product portfolio.

These were introduced in response to customer demand for a complete instrumentation package, PSM said.

The HCG self-powered hydrostatic contents gauge and the KD-LG tank level gauges enable simple visual, low cost measurement of tank levels where the accuracy and electrical output of a level transmitter is not required, the company claimed.

The HCG requires no external power source for operation and gives a continuous readout of the contents within a tank without the aid of batteries, or hand pumps.

Stainless steel sensor construction ensures compatibility with common marine fluids such as fuel oil, seawater and bilge waste. Its robust and reliable operation eliminates the need for routine calibration, or service, PSM said.

There are two KD-LG gauges in the range. Flat glass level gauges (KD-FLG) are used when the liquid is opaque, commonly for measuring the levels in a liquid plus liquid interface.

Suitable for low pressure applications with fluids, such as fuel oil, or lubricating oil, they are constructed using a completely transparent glass with a reflective layer behind.

Reflex glass level gauges (KD-RLG) are used when the liquid is transparent, commonly for measuring the levels of potable water, or boiler feed water.

Constructed using a glass with a reflective layer behind, the light entering the gauge is internally refracted and lost where there is liquid present behind the front glass, but conversely reflected back where there is no liquid present.

Both these new products have been designed and manufactured specifically for marine applications and they carry all the relevant approvals. They complement PSM's ict 1000 smart electronic hydrostatic level transmitters.

Fully compliant with the latest IEC and marine industry standards, TankView gauges provide reliable and accurate monitoring of liquid levels in the harsh environments of shipboard tanks.

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