

## Low-cost Capacitive continuous level measurement in liquids

Capacitance level measurement has a firm position in process instrumentation and offers decisive advantages.

In Liquicap T FMI21, Endress+Hauser introduces a new generation of cost-effective capacitance instruments for continuous level measurement in conductive liquids higher than 30  $\mu\text{S}/\text{cm}$ .

It offers a low-cost solution for applications in small storage and buffer tanks in all industries.

Measurement is independent of the dielectric constant value of the liquid. It can also be deployed in Ex Zone 2 areas.

The measuring range is from 150mm to 2500mm with a maximum permissible process temperature of +100°C.

### Pre-calibrated

The probe is pre-calibrated 0% to 100% of the ordered length at the factory, which makes end-user calibration unnecessary. Subsequent shortening of the probe rods is easily done at any time using a separate shortening kit.

High-quality, corrosion-resistant materials are available for applications in aggressive liquids like acids and alkalis.

Liquicap T ensures safe operation regardless of tank materials (plastic, steel or concrete) and geometries (baffles, nozzles, etc).



### Features and benefits

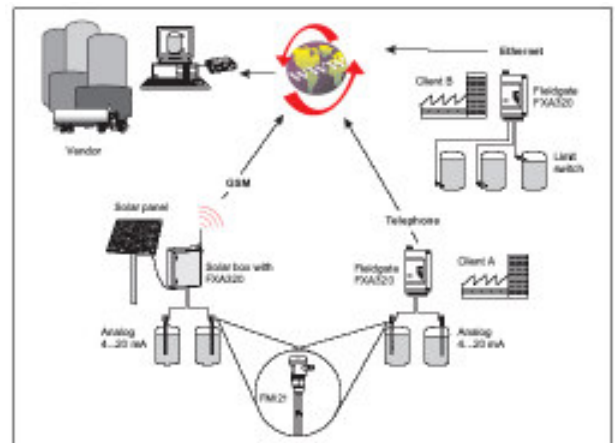
- Low cost - continuous measurement for the price of a switch
- No moving parts in tank - long operating life - dependable function without wear
- No calibration necessary (preconfigured from factory)
- Safe function regardless of tank geometry
- High quality, non-corrosive materials (carbon fibre, stainless steel) for use in aggressive liquids
- Probe shortening set enables on-site probe shortening
- 10-30Vdc power supply with 4-20mA output
- Approvals: ATEX II 3 G EEx nA IIC T6 for hazardous areas



### Vendor Managed Inventory with E+H Fieldgate

The remote monitoring of tank levels via Fieldgate enables suppliers of raw materials to gather information about current inventories of their regular customers and also take this into account in their own production planning.

Fieldgate is suitable for use with many E+H instruments including the Liquicap T. It monitors configured level limits and can automatically trigger the next delivery as required. Possibilities range from a simple purchasing requisition by e-mail through to fully automatic order processing on both sides.



### More information?

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