

Precise level measurement in tight installation space due to compact probe head



For process-reliable production, fill levels must always be measured accurately - even if there is little installation space around the tank. The new ORCA level probe from CAPTRON is designed for high-precision measurements of thin to viscous adhesives as well as (synthetic) resins and oils, for example in potting applications. Thanks to the low-profile probe head and the customized process connections, it can be easily and quickly installed and tightened, for example, with a nut and ratchet.

ORCA offers you decisive advantages for level measurement of thin to viscous media:



Easy and fast installation even in tight installation situations on the tank due to the compact design



Digital connectivity: You can configure the probe remotely via a graphical user interface via IO-Link at any time and read out process data digitally



Probe lengths and process connections such as flange or thread can be individually adapted to your customer-specific requirements



Durable, reliable and robust thanks to wear-free electronics



In addition, medium properties as well as min and max values can be set remotely from the cloud via the PLC, so that configuration does not have to be carried out on the tank itself. The mechanical design of the electronics, probe rod and process connection makes the level probe durable and robust.

The ORCA level probe operates according to the capacitive measuring principle: the probe rod and the tank wall form the two electrodes, the medium forms the dielectric. When the level changes, the capacitance changes. An empty vessel has a low capacitance, a filled vessel a high capacitance.



Are you looking for a compact level probe to precisely measure levels in your process? We will satisfy your individual requirements. Arrange a non-binding consultation now: sales@captron.com