Compact and efficient

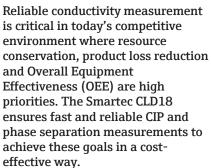
Toroidal conductivity system Smartec CLD18 – designed for the beverage industry

Ideally suited for CIP and phase separation applications:

- Unique, hygienic design (certified by 3-A and EHEDG) prevents contamination.
- Optional IO-Link enables fast and simple integration into existing plant infrastructures.
- Durable sensor material (PEEK) ensures long-term stability and reliable measurements.
- Fast response time minimizes product loss.
- Suitable for CIP (Cleaning in Place) and heavy washdown thanks to IP69 ingress protection.







Long-term reliability

Smartec CLD18 is specifically designed for hygienic applications: The stainless steel housing with IP69 ingress protection and potted electronics ensure reliability in high washdown and vibration prone installations. The long-term proven toroidal PEEK sensor (material EN 1935/2004 certified) reduces the risk of unexpected downtime.



High measurement quality

Product loss reduction and CIP efficiency are ensured with a conductivity response time of t_{95} <2 seconds and a repeatability of better than 0.5 %.

Easy to use

The CLD18 comes with a precalibrated "airset" making installation and set-up easy. Specific adaption is conveniently done through the menu-driven display or the measuring range switch. The compact design allows for installation in tight places.

Fast integration with IO-Link

The IO-Link option of Smartec CLD18 allows for simple and efficient integration into your plant infrastructure, by providing standardized function blocks.



Compliance with the latest IO-Link specification V1.1 and the Smart Sensor Profile make the system future-proof.

Typical applications

- Phase separation of product/water/ CIP mixtures in beverage industry
- Product identification in filler supply lines of bottling plants
- Control of CIP equipment, detergent concentration in make-up tanks and CIP return lines

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