

Measure

OptiLevel HLS 7010 Probe

The HLS 7010 probes measure tank contents safely, reliably and maintenance-free because they use the floatless technology developed by Hectronic. This technology offers the advantage that it is not subject to wear.



Thanks to the floatless technology, a change of liquid is recognised and automatic adaptation to the new medium is carried out. Thus, one probe type can be used for almost all liquids. Reduced warehousing costs and a reduction in the variety of stock are the result. A smaller number of order variants simplifies handling. Even if the product is changed, there is no need to adapt the software or hardware components of the HLS probe in the tank.

Compared to measuring by means of the float position the floatless technology is significantly less sensitive to pollution in the tank as no parts can stick together or get jammed.

Your Benefits

- ✓ **Uniquely reliable measuring method wired or wireless**
- ✓ **Insensitive to dirt**
- ✓ **A high-quality & reduced material mix**
- ✓ **Simplified storage – one type of probes can be used for almost all liquids**
- ✓ **Water detection in fuel and detection of ethanol layers**
- ✓ **Self-calibrating, easy installation and maintenance-free**

Typical Applications

- ✓ Filling station
- ✓ Depots
- ✓ Process technology

Technical Data

Tank size (height)	Standard 1,600 mm, 2,000 mm, 2,500 mm, 2,900 mm and 3,000 mm or as special length from 600 mm to 5,800 mm
Product measuring	Resolution: 0.04 mm Repeatability: 0.1 mm Measurement starting at 23 mm from the lower edge of the probe
Water measurement	Resolution: 0.1 mm Measurement starting at 23 mm from the lower edge of the probe
Temperature measurement	Resolution: 0.1 °C
Protection class	Probe IP68
Explosion protection	II 1G Ex ia IIB T4 Ga Probe electric system: Intrinsically safe zone 0
Lightning and overvoltage protection	Directly integrated in the probe
Mounting type	Screw connection, infinitely height-adjustable Thread standard: G 1½", SW = 50 mm Thread optional: NPT 1½", SW = 50 mm Thread LPG: NPT 1½", SW = 50 mm
Materials in contact with media	Stainless steel 1.4301, Teflon, Viton
Operating pressure	Standard versions 1.5 bar Autogas LPG variant up to 25 bar
Operating temperature	-25 to +60 °C for environment -25 to +100 °C for medium (For use in Ex-area max. +60 °C)
Power supply	Via OptiLevel Connect or Supply, up to 250 m cable length (cable 3 x 0.75 mm ² , shielded, sheath light blue)
Communication protocols	HLS protocol, H protocol (optional), other protocols with additional Controller Mineo 2
Approvals Certificates	ATEX, IECEx, KVVU + other local
Typical media	Fuels, aviation fuel, LPG, AdBlue, antifreeze, chemicals and many more
Wireless	Alternative to cable laying if no empty conduits are available and laying is too time-consuming (separate datasheet Wireless ST)

Variants

- **Standard version** for petrochemical media
- **AdBlue edition**
- **LPG edition** for liquid gas
- **Wireless ST version** for transfer via radio link

Combine with



OptiLevel Connect:

Explosion barrier and power supply, interface to higher-level system



OptiLevel Supply:

Explosion barrier and power supply, interface to higher-level system



HLS Wireless-ST Kit:

Radio extension of the probe in combination with radio receiver OptiLevel Wave-ST

