Hectronic

Measure

OptiLevel HLS 7010 Wireless ST Series

Its utilization always makes sense if the subsequent installation of empty conduits for the connection of wired probes is too expensive or laborious. The data transmission is made by radio waves.

The wireless solution continuously collects tank content data and passes it on to the higher-level systems for processing and reporting.

With the Wireless-ST Kit, an HLS 7010 probe becomes a radio probe. The kit contains the RF module, the battery and the antenna including holder. The electronic components are housed in the probe head cover.

In Wave mode, the OptiLevel Wave/Repeater ST is the recipient of the radio data of all wireless probes and at the same time the interface to the higher-level system. In Repeater mode, it serves as a radio link amplifier between the probe and the Wave.

To be able to check a possible wireless setup, a pre-inspection is necessary. With Wave Assist ST and Wave Assist Probe ST, the wireless situation can be checked. This determines the best location for the OptiLevel Wave, whether a repeater may be required and the correct installation of the wireless probe at the installation site itself.

OptiLevel Wave/Repeater ST

Typical Applications

- Filling station
- Depots
- Process technology

Your Benefits

- **Uniquely reliable measuring method wired or wireless**
- **Insensitive to dirt**
- **Battery integrated in probe head housing**
- **No additional attachments necessary**
- **Mixed configuration wired and wireless possible**
- **Self-calibrating, easy installation and maintenance-free**

Technical Data

Wireless probe	A wireless probe consists of a standard HLS 7010 probe (except density probe) with a factory fitted wireless ST kit. The properties of a wireless probe are as specified in the OptiLevel HLS 7010 Probe datasheet.
Product measuring	Resolution: 0.04 mm Repeatability: 0.1 mm Measurement from 23 mm from lower edge of probe
Operating temperature Wireless Probe Wave / Repeater ST	 -25 to +60 °C for environment, -25 to +100 °C for medium (max. +60°C when used in Ex-area) -20 to +50 °C
Power supply Wireless-ST Kit Wave / Repeater ST Wave Assist Probe ST Wave Assist ST	 3.6 V Lithium battery industry standard (built into the probe head) 100 to 240 V/50 to 60 Hz, 150 mA 3.6 V Lithium battery industry standard (built in probe head) USB
Protection classes	Wireless-ST Kit IP68 Wave/ Repeater ST IP67 Wave Assist ST IP20 Wave Assist Probe ST IP68
Lightning and overvoltage protection	Directly integrated in the probe
Mounting type	Screw connection, infinitely height-adjustable Standard thread: 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
Radio transmission	2.4 GHz frequency band according to IEEE standard
Battery life	Approx. 2.5 to 3 years with data update every 10 minutes
Protocols Host	HLS protocol, H protocol
Approvals **Certificates**	ATEX, IECEx + further local approvals OIML R85/2008

Variations

- **Standard version** for petrochemical media
- **AdBlue edition**
- **LPG edition** for liquid gas

Combine with

- Mineo 2 Controller Touch
- Mineo Controller Touch