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Product news



SmartBox AIR Wi-Fi – Remote level gauge with remote inquiry from anywhere in the world

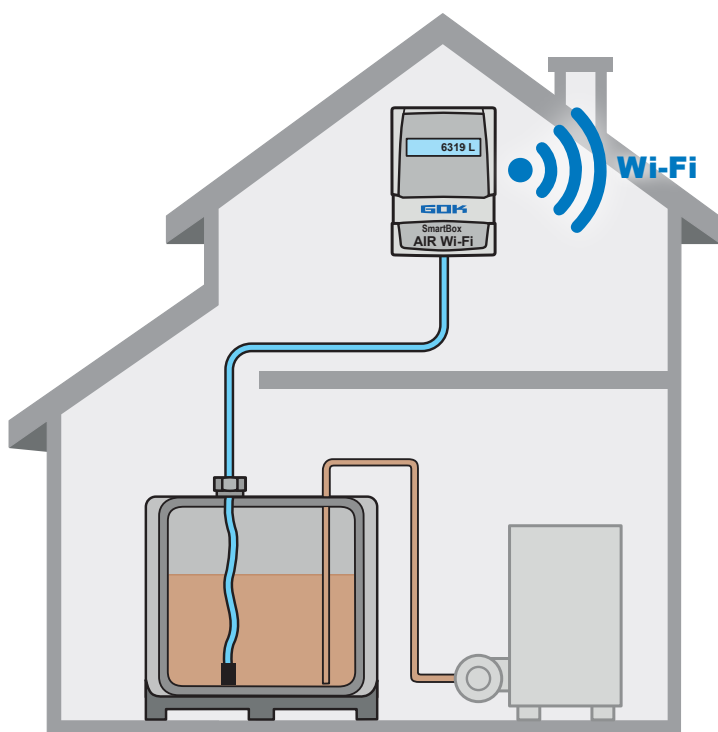
What is SmartBox AIR Wi-Fi?

SmartBox AIR Wi-Fi is a battery-powered remote level gauge for non-pressurised tanks containing liquid operating media. Thanks to automatic filling level measurement at selectable intervals and data transmission via Wi-Fi to an app, the user is kept informed of the current filling level in the tank at all times and anywhere in the world where Wi-Fi is available.

How can SmartBox AIR Wi-Fi be used?

SmartBox AIR Wi-Fi can be used for almost any tank containing liquid operating media. Ideally, a measuring line is already connected to the tank (e.g. from a shut-down pneumatic filling level measurement system). If not, the measuring line supplied can be inserted into the tank through a free tank opening, or - if no such opening is available - it can be inserted through a bore in an existing tank panel.

With the 10 m long measuring hose, the display unit can be mounted at a reasonable distance from the tank. Ideally, a Wi-Fi network is available where the display unit is installed to allow remote access via the app. Otherwise, the unit can also be used simply as a local display.



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What are the benefits?

- Easy installation; use of an existing measuring line or a free tank opening; if neither is available optional insertion of the measuring line through a bore in an existing tank panel.
- Depending on the setting, the filling level is automatically measured and transmitted to the app hourly, daily, weekly or monthly.
- Long battery life (minimum 1 year) even with automatic cyclical measurement every day; device can also be operated permanently from power supply if available.
- USB-C charging socket allows the battery to be charged using a power bank if no power supply is available.
- The battery status display in the app and on the display unit provides early information when the battery needs to be recharged.
- The filling level can also be measured for high tanks; tank heights up to 4 m (water) or up to 4.50 m (fuel oil).
- High measuring accuracy ($\pm 1\%$).
- Easy set-up using a mobile phone or tablet; no more time-consuming pressing of buttons; for the set-up, Wi-Fi is not required at the installation site, and the installer does not need to access the user's Wi-Fi network for the setup.
- Trigger a manual measurement on site, independent of the automatic measurement interval.
- Monitoring several tanks at different locations (e.g. homeowners with different properties).
- Automatic calculation of the tank volume from the filling level in centimetres for all common tank shapes - additionally the option of entering a calibration chart (pairs of values: filling level in centimetres - volume in litres) that is supplied by the tank manufacturer for tanks with unusual shapes.
- Menu languages German, English, French, Italian, Spanish and Polish.
- Data (time of measurement, measured volume in centimetres, litres or percent) can be exported for further processing in Microsoft Excel.