

Digital tank contents indicator DTA 20 E



Benefits

- Plug & play level indicator for smart home systems based on EnOcean® wireless
- Daily measurement and worldwide access to consumption data
- Local display and push message (adjustable) when minimum level is reached
- For fuel oil, (bio) diesel, water and other media with a density between 0.5 and 1.5 g/cm³



Application

Location-independent level measurement with digital display and minimum level signal (reserve level alarm). If the product is operated in conjunction with the AFRISOhome gateway, the tank operator/owner can read the level on a mobile device in addition to the local display. Suitable for tanks up to 400 cm liquid level. For fuel oil EL, L or diesel fuel, FAME 100 % as biodiesel (EN 14214) and water (no drinking water!). In addition, DTA 20 E can be used for level measurement with all non-corrosive liquids with a density from 0.5 to 1.5 g/cm³. Remote measurements (measuring line) up to 15 m.

Versions

	Part no.
Tank contents indicators DTA 20 E with Pneumofix 2 mounting kit	52146
Tank contents indicators DTA 20 E	52156

Blue part no. = in-stock items

Description

The electro-pneumatic tank contents indicator DTA 20 E consists of a battery operated control unit, an EnOcean® wireless module, a digital display and a measuring line. Measured values are displayed in litres, % and liquid level (cm). Simple operation and setup via three function keys at the device. DTA 20 E measures the level (adjustable interval) and transmits it to the AFRISOhome gateway via EnOcean® wireless. In addition, measurements can be taken by means of pressing the control key (Push-to-Read function). If the level falls below a minimum level that is freely adjustable as a percentage, the backlight of the display flashes red to indicate an alarm during the measurement. In addition to indication on the local display, the tank owner/operator can receive a push message on the smartphone or tablet. Standard tank shapes (linear, spherical, cylindrical and horizontal) are stored.



Technical specifications

Functions

Periodic level measurement (1 to 240 hours) with wireless transmission to master systems such as AFRISOhome gateway
Push-to-Read level measurement

Measuring range (tank height)

Fuel oil: 0/400 cm
Water: 0/350 cm

Measuring accuracy

± 3 cm

Operating temperature range

Ambient: 0/50 °C
Storage: -20/+65 °C
Medium: 0/50 °C

Display

Multi-colour, backlit graphical display,
White = Operation,
Red = Alarm,
Green = setup,
Indication of litres (5 digits), % or liquid level in cm

Measuring line

PVC hose 4 x 1 mm
Length: 20 m
Bottom part: Stainless steel

Supply voltage

9 V monobloc battery

Minimum alarm

Backlight flashes red
Push message to mobile devices

Housing

Wall mounting housing made of impact-resistant plastic (ABS)
W x H x D: 100 x 188 x 65 mm
Degree of protection: IP 20 (EN 60529)

EnOcean® wireless

EEP: Generic Profile (GP)
Frequency: 868.3 MHz
Transmission power: Max. 10 mW
Range: 10 – 30 m
Range: depending on room arrangement and materials in the building

Scope of delivery

- Control unit with battery
- Pneumofix type 2: 20 m measuring line with bottom part, connection kit for G½, G1, G1½ and G2, 30 x nail cable clips, hose connector (4 x 4 mm), mounting accessories

Necessary additional components

- AFRISOhome gateway