

Digital tank contents indicators DTA

Location-independent, universal application
with fuel oil, diesel fuel and water.



Your benefits

- + Universal application in tanks of up to a height of 4 m
- + Density adjustable from 0.5 to 1.5 g/cm³, i.e. suitable for many media
- + Backlit digital display
- + Indication of measured values in litres (5 digits), % and liquid level (cm)
- + User interface language selectable (English, German or French)
- + Location-independent battery operation without external supply voltage
- + Push-to-Read function: Fast start with just a push of a button
- + Remote measurements up to 15 m

Your additional benefits with DTA 20 E:

- + Plug & play level measurement 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

Application

Location-independent level measurement with digital display and minimum level signal (reserve level alarm) with a single measurement. Suitable for tanks up to 400 cm liquid height. For fuel oil EL, L or diesel fuel, FAME 100 % as biodiesel (EN 14214) and water (no

drinking water!). In addition, DTA 10 can be used for level measurement with all non-corrosive liquids with a density from 0.5 to 1.5 g/cm³. Remote measurements up to 15 m.



If the product is operated in conjunction with the AFRISOhome gateway, the tank operator/owner can see the level or low level messages on a smartphone or tablet.



Description

The electro-pneumatic tank contents indicators of the DTA series consist of a battery-operated control unit with digital display and a measuring line. Measured values are displayed in litres, % and liquid level (cm). The device is operated and adjusted via three function keys. Measurements are requested 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. Standard tank shapes (linear, spherical, cylindrical and horizontal) are stored.

The smart-home-enabled version DTA 20 E features an EnOcean® wireless module for remote messages and easy integration into the AFRISO smart home system. DTA 20 E can be connected to the AFRISOhome gateway via plug & play. The measuring interval (usually once per day) can be adjusted as required. In addition to indication on the local display, the tank owner/operator can receive a push message on the smartphone or tablet. This provides for access to your consumption data with a mobile device from anywhere in the world and you can take measures at any time.



Test the demo app.

<https://my.afrisohome.de>



Cylindrical, horizontal rain-water tank with tank contents indicator DTA 10

Technical data

Functions	<ul style="list-style-type: none"> Push-to-Read level measurement DTA 20 E: Periodic measurement (adjustable from 1 to 240 hours) with wireless transmission to master systems
Measuring range (tank height)	0/400 cm (fuel oil) 0/350 cm (water)
Measuring accuracy	±3.0 cm
Operating temperature range	Ambient: 0/50 °C Storage: -20/+65 °C Medium: 0/50 °C
Display	Multi-coloured, backlit graphical display (30 x 50 mm): <ul style="list-style-type: none"> Operation = Blue (DTA 10) / white (DTA 20) Alarm = Red Setup = Green Indication of litres (5 digits), % or liquid level in cm.
Measuring line	PVC hose 4 x 1 mm, lengths 20 m, Balance chamber stainless steel
Supply voltage	9 V monobloc battery

Minimum alarm	Backlight flashes red during measurement process. DTA 20 E: 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 to 30 m (depends on room arrangement and materials in the building)
Scope of delivery	<ul style="list-style-type: none"> Control unit 9 V monobloc battery Pneumofix 2: 20 m measuring line with bottom part, connection kit for G½, G1, G1½, G2, 30 x nail cable clips, hose connector (4 x 4 mm), mounting accessories

Your dealer

ID no.: 991517 06852 05/21

Version	Pneumofix 2	Part no.
DTA 10	•	52145
DTA 10	---	52155
DTA 20 E	•	52146
DTA 20 E	---	52156



Technology for Environmental Protection

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