

Temperature Compensation



Standard Temperature
Accounting

Delivering Flexible Solutions



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Standard Temperature Accounting

The deviation of $\pm 1\%$ volume per degree Celsius makes it obvious to apply temperature compensation. The Tokheim MPE technology is an excellent solution to apply temperature compensation on new dispensers and for field retrofit on Tokheim dispensers and third party dispensers.



Temperature compensated volume

- The Tokheim MPE technology communicates via pulses to the calculator. These pulses are corrected with pre-defined product specific coefficients of expansion.
- Temperature compensation results in additional sales of 1,2 liter per 1000 liter per °Celsius (for fuel at a temperature below 15°C).
- Set-up and configuration is done via a special and convenient tool (UAK).
- The temperature range relates to fuel temperatures from -20 °C to +55 °C.

Retrofit

- Tokheim has retrofit solutions available for Quantum dispensers and for most of the Tokheim legacy dispensers.
- The applied technology makes the Tokheim temperature compensation suitable for retrofit in third party dispensers.

Base components

- Pulser – MPE (magnetic pulser enhanced).
- Pulser Sealing Board (sealing).
- Configuration tool – UAK (User Access Keypad).

Approvals

- OIML R117 & R117-1, Welmec 10.4, NMI.

As Tokheim regularly improves its products to ever better respond to evolving market and regulatory requirements, it reserves the right to change any of the specifications of these products, and this without prior notice.

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