

Information on the esz Drift Report

Foreword

This document contains further information on the esz Drift Report. This information is deliberately made available to everyone – customers, competitors and esz internally. This ensures that all parties involved speak the same language and have a common understanding. In addition to that the terms and definitions in www.esz-ag.de/definitions.pdf apply.

Calculations and reported content

- **Column header:** Column content
 - **Range, Condition(s), Setting, Nominal Value:** Data as from the latest calibration
 - **Calibration Certificate Number:** Deviation from the stated calibration
 - If no deviation is determined within the resolution, this is indicated by “-”. By default, the report displays the values from the last 5 calibrations. However, the entire history of the esz calibration certificates is taken into account when calculating the **drift values**.
 - **max. Drift:** largest absolute **drift value**
 - If no drift can be calculated due to a lack of overlap in the historical data, this is indicated by “n.a.”.
 - If no drift is determined within the resolution, this is indicated by “no drift”
 - **avg. Drift:** absolute value of the sign-sensitive mean of the **drift values**
 - If no drift can be calculated due to a lack of overlap in the historical data, this is indicated by “n.a.”.
 - If no drift is determined within the resolution, this is indicated by “no drift”
 - **Rem.:** Remark on **risk estimation**
 - If the absolute value of the latest calibration, together with the maximum drift, exceeds the latest specification, this is indicated by “o”.
 - If the absolute value of the latest calibration, together with the average drift, exceeds the latest specification, this is indicated by “!”.

- **Drift (value):** The difference between two deviations from consecutive calibrations, regardless of the calibration interval, which are not interrupted by an adjustment or repair. This requires that the range, condition(s), settings and calibration value¹ match the data from the latest calibration. The individual drift values are not shown in the drift report.
- **Risk estimation:** Consideration of the average or maximum drift in combination with the value of the latest calibration. This does not indicate whether the specification will be exceeded or when this might occur. All data documented in esz calibration certificates is used for the estimation.

Endnote

It is possible that a drift report cannot be generated for individual measurement points, parameters or measurement blocks, or that the report's validity may be limited due to missing data or varying calibration intervals.

¹ A margin of ± 10 % of the latest calibration value is permitted.