

Function extension for calculating the *difference* between two actual values.
(Differential value = actual value 1.. – actual value 2..).

The calculated difference is displayed and made available both as a controlled variable and a reference for additional contacts or signal outputs (CH 0 / Ist0).

All controllers of the KFM 902 / 93 type series can be operated with this additional function as a differential value controller. An additional measuring input is included with this function extension.

Versions:	Li.-No.
	991d*

Order text: Function extension: Difference controller
incl. add. measuring input Pt100/standard signal
range depending on type 0..400°C,
-200..+800°C resp. adjustable
calculation of the difference X1-X2
for display and further measured value processing

(*possible measuring inputs and list end no. refer to sheet 902)

Operation (special features):

Operating status:

Besides the indication of the difference value the display lines are also configurable to the actual values 1 and 2

Settings:

The differential value is displayed in the parameter levels, in as much as it is relevant for settings and displays, additionally as channel (CH) 0:

Parameter level 2:

0bLo/0bHi Start / end of range for calculated difference
(if the difference goes under / exceeds the range limits: Error message Err0)

0nSt In as much as this function is provided: Setting the number of places after the decimal point of the differential value display

Supplement to error messages:

Err 0 Differential calculation error.
Causes: Error at measuring input 1 or 2, or the difference has gone under or exceeded the range limits (0bLo / 0bHi).