

Forced-zero

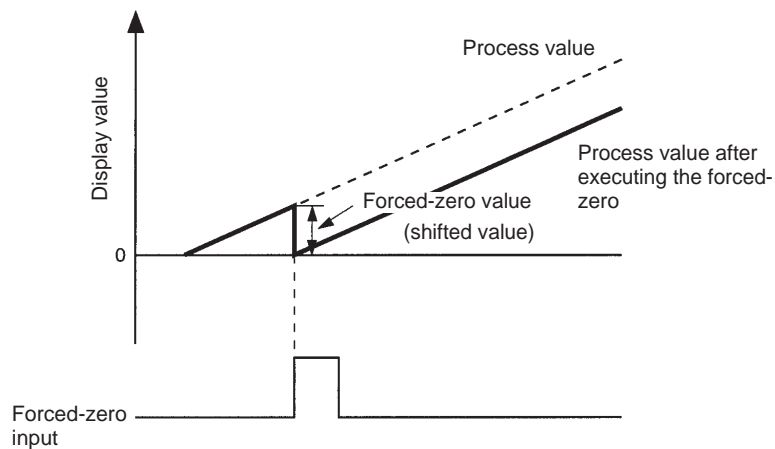
- The forced-zero function enables the K3NV to shift the process value to 0, which allows relative object measurement with ease when one of the following is activated in RUN mode.

The RESET/TEACH Key is pressed while the process value is displayed.

The external ZERO input signal is turned ON.

The K3NV receives the forced-zero command through communications.

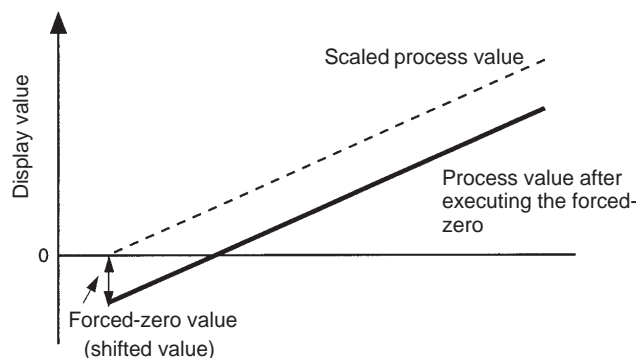
- The ZERO indicator is lit while the K3NV is in forced-zero state.
- The K3NV retains the forced-zero value even when the power is switched off.
- The process value can be prohibited against change when the forced-zero prohibit setting is ON in protect mode.



- The following is the relationship between the process value after scaling and display value after the process value is shifted to zero.

$$\text{Display value after executing the forced-zero} = \text{Process value after scaling} - \text{Shifted value}$$

Therefore, if the process value after scaling is shifted to zero, the scaled process value and the display value after executing the forced-zero will not coincide with each other.



- Forced-zero state will be canceled if one of the following is performed.

The RESET/TEACH Key is pressed for longer than one second while the process value is displayed.

The K3NV receives the forced-zero cancel command through communications.

Two-coordinate input scale (input 1 and input 2) is changed in setting mode.