



Option 23 — Drift Check Setup

The zero-mid-span drift check is an automatic calibration mode where both 4-20 mA Analog Output channels report standard zero, mid, and high values for checking the calibration of the device and its data recording signal chain.

To access the Drift Check Setup menu in Display mode:

1. Press **D**.
2. Press **2** to invoke the Quick Jump option.
3. Press **23** for the **Drift Check Setup** menu, and then press **E**.

```
AUTO DRIFT CHECK
>ON
```

A prompt appears for showing that automatic drift is ON or OFF.

4. Press **P** to continue.

```
% FS AT ZERO
>10.000
```

A series of prompts appear for each drift check test level (zero-mid-span) regarding the amplitude of the output signal and its duration.

The amplitude is given as a percent of the FS of the independent voltage source (3.3V).

In the following example, 10.0% means that 0.33V (10% of 3.3V) is applied to the 4-20 mA output for the drift check at zero.

5. Press **P** to continue.

```
DURATION AT ZERO
>60 SEC
```

The prompt appears for the duration. The duration is the time the 4-20 mA output is at the zero value before switching to the mid and span drift check prompts.

6. Press **P** to continue.

```
% FS AT MID
>50.000000
```

The prompt appears for the percent of full-scale at the midpoint.

7. Press **P** to continue.



DURATION AT MID
>60 SEC

The prompt appears for the duration at the midpoint.

8. Press **P** to continue.

% FS AT SPAN
>90.000000

The prompt appears for the percent of full-scale at the full span.

9. Press **P** to continue.

DURATION AT SPAN
>60 SEC

The prompt appears for the duration at the full span.

10. Press **H** to exit.

The main Display mode (DSP) prompt appears.