



Option 10 — NE-43 Alarms

The flow meter supports the NAMUR specification NE-43 for alarm support on the 4-20 mA signal.

The analog output signal is clipped between 3.8 and 20.5 mA so any bit set in the meter event code triggers an NE-43 alarm.

The following flow meter error events cause a NE-43 alarm:

- Unable to write configuration file to EEPROM
- Abnormal sensor node voltages
- Sensor type does not match configuration
- Sensor over-voltage crowbar engaged
- Sensor control drive stopped responding
- ADC failed to convert measurement
- High sensor or wire leakage
- Rps sensor lead open circuit
- Wire loop resistance above high limit
- Rtc resistance below low limit and above high limit
- Rp resistance below low limit and above high limit

To access the NE-43 Alarms Setup menu in Display mode:

1. Press **D**.
2. Press **2** to invoke the Quick Jump option.
3. Press **10** for the **NE-43 Alarms Setup** menu, and then press **E**.

```
NE-43 ALARM TYPE
>HIGH OUTPUT    ^v
```

The NE-43 alarm type prompt appears.

- A **LOW OUTPUT** drives the 4-20 mA output to 3.6 mA when a meter fault occurs.
 - A **HIGH OUTPUT** drives the 4-20 mA output to 21 mA when a meter fault occurs.
4. Press **H** to exit.

The main Display mode (DSP) prompt appears.