Option 14 — Recalibrating the 4-20mA Outputs

An external meter must be used to match the 4.0mA zero and 20mA span, and then the arrow keys are used to lower or raise the output until each condition matches.

To access the Calibration Outputs menu in Program mode:

1. Press **P**.
2. Enter your **Advanced** access password, and then press **E**.
3. Press **2** to invoke the Quick Jump option.
4. Press **14** for the **Calibration Outputs** menu, and then press **E**.

```
SET 4.000 mA TO
OUT 1  UP=^ DN=v
```

The setup for the lower end of output 1 appears.

5. Press **E**.

```
SET 20.000 mA TO
OUT 1  UP=^ DN=v
```

The setup for the upper end of output 1 appears.

6. Press **E**.

```
AO1 SLOPE   0.99
AO1 OFFSET -0.02
```

The slope and offset for output 1 appears.

7. Press **E**.

```
SET 4.000 mA TO
OUT 2  UP=^ DN=v
```

The setup for the lower end of output 2 appears.

8. Press **E**.

```
SET 20.000 mA TO
OUT 2  UP=^ DN=v
```

The setup for the upper end of output 2 appears.

9. Press **E**.

```
AO2 SLOPE   1.00
AO2 OFFSET -0.00
```

The slope and offset for output 2 appears.

10. Press **E**.

```
CHK NE-43 ALARMS
>YES          ^v
```

The Check NE-43 Alarms prompt appears.

If checked, the low alarm level should be set to <3.6mA and the high alarm level should be set to >21mA.

11. Use the arrow keys to select **YES** and then press **E**.

```
LOW ALARM CHECK
IOUT <# 3.6 mA
```

The low value for the alarm trigger appears.

12. Use the number and decimal keys to change the value and then press **E**.

```
HIGH ALARM CHECK
IOUT ># 21.0 mA
```

The high value for the alarm trigger appears.

13. Use the number and decimal keys to change the value and then press **E**.

```
ENTER OUTPUT
>12.4000000 mA
```

The Enter Output prompt appears.

14. Use the number and decimal keys to change the value and then press **E**.

```
12.400 mA
1.891  V
```

The Flow Cutoff SW prompt appears.

The prompt allows system tests to verify linearity or trigger points.

15. Press **E**, **C**, or **P** to return to the Program mode option menu.