

# Supplement

Title: 715 Inst.Sht. Supplement Issue: **2**  
Part Number: 650314 Issue Date: 1/05  
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This supplement contains information necessary to ensure the accuracy of the document described above.

## Change #1

Under **Introduction**, replace the first sentence with the following:

The Fluke 715 Volt/mA Calibrator is a source and measurement tool for 0 to 24 mA current loop testing and dc voltage from 0 to 20/25 V.

Under **Summary of Calibrator Capabilities**, replace the entire table with the following:

| Fuction           | Range          | Resolution |
|-------------------|----------------|------------|
| dc mV input       | 0 to 200 mV    | 0.01mV     |
| dc mV output      |                |            |
| dc V input        | 0 to 25 V      | 0.001V     |
| dc V output       | 0 to 20 V      |            |
| dc mA input       | 0 to 24 mA     | 0.001 mA   |
| dc mA output      |                |            |
| Loop power output | 24 V dc output | N/A        |

Under the **Turning the Calibrator On** section, add the following:



### **Auto Shut-Off (Power Saver) Feature**

The Calibrator automatically turns off after 30 minutes of inactivity. To reduce this time or disable this feature:

1. With the Calibrator OFF, press the **Ⓢ** key. **P.S.xx** is displayed, where **xx** is the turn-off time in minutes. **OFF** means the power saver is disabled.
2. Press **▲** and/or **▼** to increase or decrease the turn-off time in minutes.



3. To disable, press  until the display shows **OFF**.









### **HART™ Resistor Mode**

The calibrator has a user selectable 250 ohm HART™ resistor to facilitate use with HART™ communication devices. The resistor can be switched in/out at any time by simultaneously pressing the  and  keys. Use a HART™ communicator when measuring dc mA with loop power or sourcing mA.

### **Span Check Feature**

The calibrator allows the users to store 0% and 100% setpoints for each output function. Once setpoints are stored, the span check feature allows the user to quickly toggle back and forth from 0% to 100% or to step in 25% increments.

Automatic step and ramp modes can be enabled while in the span check mode by simultaneously pressing the   keys. First select the desired output mode (V,mV or mA) then proceed to store the setpoints:

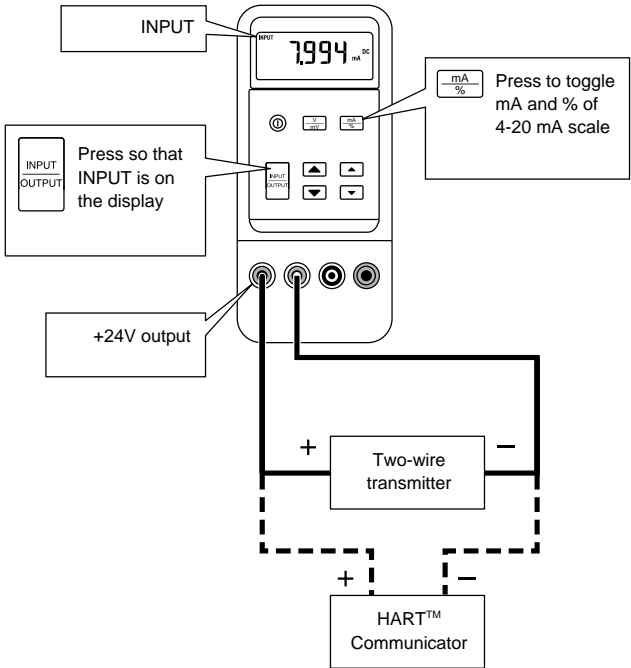
1. Storing 0% and 100% Setpoints
2. Using the   controls set the output to the desired output value for 0%.
3. Press the   scroll keys simultaneously to store the 0% value.
4. Now using the   controls set the output to the desired output value for 100%
5. Again, press the   scroll keys simultaneously to store the 100% value.

Under **Measuring dc Volts** and **Sourcing dc Volts**, change the following in both occurrences:

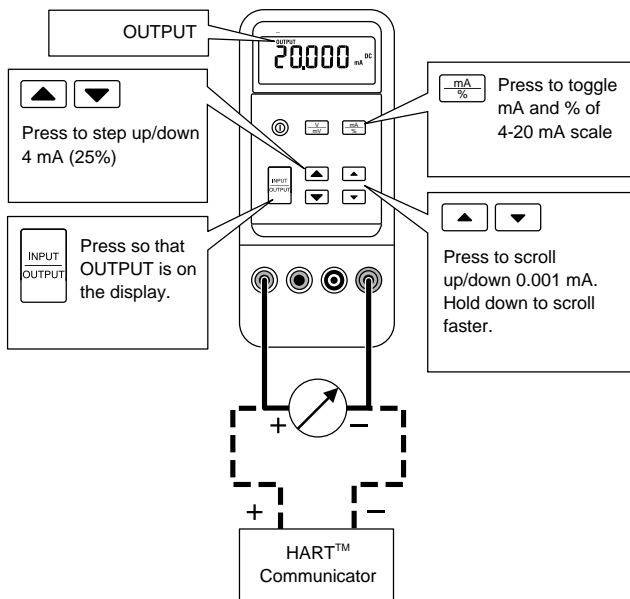
From: 100 mV and 10V ranges

To: mV and V ranges

Under **Measuring dc mA with Loop Power**, replace the drawing with the following:



Under **Using the Current Output Modes**, replace the drawing with following:



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Under, ***In Case of Difficulty***, replace the first bullet with the following:

- Check the battery and test leads. Replace as necessary.

Under, ***Replacing a Fuse***, delete the entire section and the drawing next to it.

Under, **Replacement Parts and Accessories**, delete the entire line for F1,F2 and replace the AC70A with the following:

|      |                 |      |   |
|------|-----------------|------|---|
| AC72 | Alligator clips | AC72 | 1 |
|------|-----------------|------|---|

In the **Parts and Accessories** drawing, delete F1 and F2 and replace AC72A with AC70.

Under **Specifications**, replace both tables with the following:

### **DC V Input and Output**

| Range  | Resolution | Accuracy, $\pm$ (% of Reading + Counts) |
|--|------------|---|
| 200 mV   | 0.01 mV    | 0.015% + 2                              |
| 20 V output  | 0.001 V    | 0.01% + 2                               |
| 25 V input   |            |   |
| <i>Input impedance: 1M<math>\Omega</math> (nominal), &lt; 100 pF</i><br><i>Overshoot protection: fuseless</i><br><i>Voltage drive capability: 1 mA</i> |            |   |

### **DC mA Input**

| Range                                | Resolution | Accuracy, $\pm$ (% of Reading + Counts) |
|--------------------------------------|------------|---|
| 24 mA                                | 0.001 mA   | 0.01% + 2                               |
| <i>Overload protection: fuseless</i> |            |   |

Under **DC mA Output**, replace the Accuracy with the following:

Accuracy:  $\pm$ (0.01% of reading + 2 counts)

## Change #2

Under, ***Replacement Parts and Accessories***, change the MP86 Part Number:

From: 620168

To: 2397526