

# Supplement

Title: 712 Inst.Sht. Supplement Issue: 7  
Part Number: 650280 Issue Date: 1/14  
Print Date: August 1997 Page Count: 6  
Revision/Date: 2, 5/04

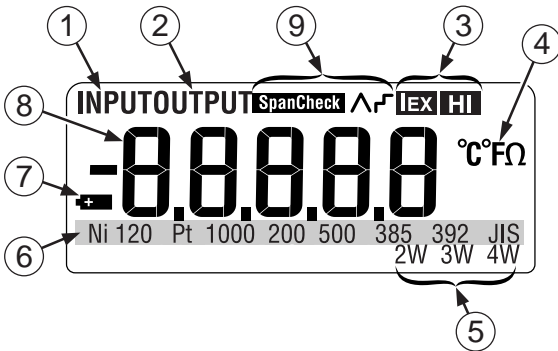
---

---

This supplement contains information necessary to ensure the accuracy of the document described above.

## Change #1, 47807

Under **Getting Acquainted with the Calibrator**, replace the figure with the following:



Under **Display Elements**, add the following to the table:

⑨ Span Check Step and Ramp	Lit when in Span Check, step and ramp modes
----------------------------	---

Prior to **Simulating an RTD**, add the following sections:

### Auto Shut-Off (Power Saver)

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

1. With the Calibrator OFF, press Ⓞ. 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.

### **Span Check**

The calibrator allows you to store 0% and 100% setpoints for each output type. Once setpoints are stored, the span check feature allows you 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 span check mode by simultaneously pressing  or . First select the desired output range, then proceed to store the setpoints:

1. Use  and  to set the output to the desired value for 0%.
2. Press  and  simultaneously to store the 0% value.
3. Use  and  to set the output to the desired value for 100%.
4. Press  and  simultaneously to store the 100% value.

Under **Testing and Replacing the Fuses**, delete the entire section and the corresponding figure.

Under **Replacement Parts and Accessories**, delete the F1, F2 row and under MP86 change the part number,

From: 620168  
To: 2397526

Remove the F1 and F2 fuses from the replacement parts illustration.

Under **Specifications**, replace the **Ohms Specifications** table with the following two tables:

**Ohms Measurement Specifications**

Ohms Range	Accuracy *	
	4-Wire	2- and 3-wire
0 to 400 $\Omega$	0.025 % $\pm$ 0.05 $\Omega$	0.025 % $\pm$ 0.1 $\Omega$
400 to 3200 $\Omega$	0.025 % $\pm$ 0.05 $\Omega$	0.025 % $\pm$ 0.55 $\Omega$
Excitation current : 0.2 mA		
Maximum input voltage: 30 V		
*2-wire: Does not include lead resistance		
3-wire: Assumes matched leads		

**Ohms Source Specifications**

Ohms Range	Excitation Current from Measurement Device	Accuracy
0 to 400 $\Omega$	0.1 to 0.5 mA	0.025% $\pm$ 0.1 $\Omega$
0 to 400 $\Omega$	0.5 to 3.0 mA	0.025% $\pm$ 0.05 $\Omega$
400 to 1500 $\Omega$	0.05 to 0.8 mA	0.025% $\pm$ 0.5 $\Omega$
1500 to 3200 $\Omega$	0.05 to 0.4 mA	0.025% $\pm$ 0.5 $\Omega$

Under **RTD Specification**, replace the table with the following:

RTD Type	Range $^{\circ}\text{C}$	Accuracy $^{\circ}\text{C}$ *			Allowable Excitation mA
		Measure		Source	
		4-wire	2- and 3-wire		
Ni120	-80.0 to 260.0	0.20	0.25	0.2	0.1 to 3.0
Pt100 385	-200.0 to 100.0	0.20	0.28	0.2	0.1 to 3.0

	100.0 to 300.0	0.30	0.40	0.3	
	300.0 to 600.0	0.40	0.52	0.4	
	600.0 to 800.0	0.50	0.65	0.5	
Pt200 385	-200.0 to 100.0	0.80	1.00	0.8	0.05 to 0.8
	100.0 to 300.0	0.90	1.15	0.9	
	300.0 to 630.0	1.00	1.20	1.0	
Pt500 385	-200.0 to 100.0	0.40	0.60	0.4	0.05 to 0.8
	100.0 to 300.0	0.50	0.75	0.5	
	300.0 to 630.0	0.60	0.90	0.6	
Pt1000 385	-200.0 to 100.0	0.20	0.25	0.2	0.05 to 0.4
	100.0 to 300.0	0.30	0.40	0.3	
	300.0 to 630.0	0.40	0.52	0.4	
Pt100 3926	-200.0 to 100.0	0.20	0.28	0.2	0.1 to 3.0
	100.0 to 300.0	0.30	0.40	0.3	
	300.0 to 630.0	0.40	0.52	0.4	

Pt100 3916	-200.0 to 100.0	0.20	0.28	0.2	0.1 to 3.0
	100.0 to 300.0	0.30	0.40	0.3	
	300.0 to 630.0	0.40	0.52	0.4	
Addresses pulsed transmitters and PLC's with pulses as short as 5ms. Excitation current from 712: 0.2mA Maximum input voltage: 30V *2-wire: Does not include lead resistance 3-wire: Assumes matched leads					


## Change #2

Under **General Specifications**, add the following:

**Protection Class:** Pollution Degree II

## Change #3

On the second panel, under **International Symbols**, add the following:

 N10140	Conforms to relative Australian standards.
---	--

## Change #4

In the **Replacement Parts and Accessories** table,

Change:


Test lead, red	688051	2
Test lead, black	688066	2

To:

Fluke-7XX Test Lead Set	3397308	2
-------------------------	---------	---

## Change #5, 67380

On the second panel, under **International Symbols**, add:

	Conforms to relevant South Korean EMC Standards.
---	--

Under **General Specifications**, add:

Electromagnetic Compatibility ....Applies to use in Korea only. Class A Equipment (Industrial Broadcasting & Communication Equipment) <sup>[1]</sup>

[1] This product meets requirements for industrial (Class A) electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and is not to be used in homes.