

Manual Supplement

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

FLUKE®

Calibration

Change #1

On page 3-2, after the last bullet in the **Environmental Conditions** section, add:

Note

The Product can show some control sensitivity to moderate or severe electromagnetic fields or conducted interference of certain frequencies. In the presence of radiated EM disturbances, with frequencies of 250 MHz to 400 MHz and with amplitude >1 V/m to a maximum of 3 V/m, add 0.0025 °C to the stability specification. Stability is not guaranteed if amplitude is >3 V/m. When subject to conducted disturbances of 8 MHz to 80 MHz, and amplitude >3 V, add 0.005 °C to the stability specification.

Change #2, 522

On page 3-2, under the **Environmental Conditions**, replace the 1st and 2nd bullets with:

- temperature range: 5 °C to 35 °C (41 °F to 95 °F)
- ambient relative humidity: maximum 80 % for temperatures <31 °C decreasing linearly to 50 % at 35 °C

Change #3, CSE-285

On page 7-3, under the **Side Panel** section, replace the table with:

Table 3. Cooling Temperature Chart

Desired Bath Temperature		Set the Cooling Temp. Valve to this pressure	Heater Power
°C	°F	PSIG	
-10	14	2.5	LOW
-5	23	5	LOW
0	32	10	LOW
5	41	15	LOW
10	50		LOW/HIGH
15	59	20	LOW/HIGH
20	68		HIGH
25	77		HIGH
30	86	30	HIGH
35	95		HIGH
40	104		HIGH

DO NOT set the Cooling Pressure above 40 PSIG

On page 8-8, under the **Cooling** section, replace the text with:

To enable Cooling, push the **Cooling** switch. This enables the refrigeration system of the instrument. Once enabled, adjust the **Cooling Temperature** valve to an appropriate evaporator pressure for the desired bath temperature. For nominal pressure settings, see the Cooling Temperature Chart (Table 3 in this document) found in the operating instructions attached to the left side of the instrument. Do not set the **Cooling Temperature** valve above 40 psig. When you adjust the **Cooling Temperature** valve, make incremental adjustments and allow ample time for system pressures to stabilize between adjustments.

Typically, cooling is not required above 40° C. However, cooling can be used for transitional operation for bath temperatures up to 60 °C. Never use cooling above 60 °C.

The **Back Pressure** control valve reduces the cooling capacity of the instrument. For maximum cooling and normal operation, fully open the valve (CCW). To reduce cooling capacity, partially close the valve (CW). Never engage the **Back Pressure** valve more than necessary and always fully open the valve (CCW) before you change to a different bath temperature.

On page 10-7, under the **Cooling Control** section, in the last paragraph:

Replace:

65 psi

with:

40 psig

and replace:

5 psi

with:

2.5 psig

On page 10-8, in Table 7, in the Heater column, reference Table 3 for heater power settings.