

Manual Supplement

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



Change #1, 411, 537

On page 12-2, under **12.2 Calibration Procedure**, replace number 1 with:

12.2 Calibration Procedure

1. Choose three set-points to use in the calibration of the R0, ALPHA, and DELTA parameters. These set-points are generally 2.5 °C, 45 °C, and 100.0 °C but other set-points may be used.

Under **12.2.1 Compute DELTA**, change:

12.2.1 Compute DELTA

$$\text{From: } E = R_3 - T_2$$

$$\text{To: } E = R_3 - R_2$$

$$F = R_2 - T_1$$

$$F = R_2 - R_1$$

$$\text{delta} = \frac{AF = BE}{DE - CF}$$

$$\text{delta} = \frac{AF - BE}{DE - CF}$$

On page 12-3, under **12.2.2 Compute R0 & Alpha**, change:

12.2.2 Compute R0 & ALPHA

$$\text{From: } rzero = \frac{R_3 a_1 = R_1 a_3}{a_1 - a_3}$$

$$\text{To: } rzero = \frac{R_3 a_1 - R_1 a_3}{a_1 - a_3}$$

$$\alpha = \frac{R_1 - R_3}{R_3 a_1 = R_1 a_3}$$

$$\alpha = \frac{R_1 - R_3}{R_3 a_1 - R_1 a_3}$$

Change #2, 270

On page 1-4, add:

Caution

- **Fluke Calibration does not recommend using water as a fluid in Model 7102 Micro-Bath. If the tank coating is compromised, galvanic corrosion will occur due to dissimilar metals and the presence of water (electrolyte).**

Note

Since Fluke Calibration does not recommend water as a bath fluid for this instrument, disregard any references to the use of water as a bath fluid in the Model 7102 User's Guide.