Manual Supplement

Manual Title:	1630-2/1630-2 FC Users	Supplement Issue:	**1**
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This supplement contains information necessary to ensure the accuracy of the above manual.

FLUKE®

Change #1, 395

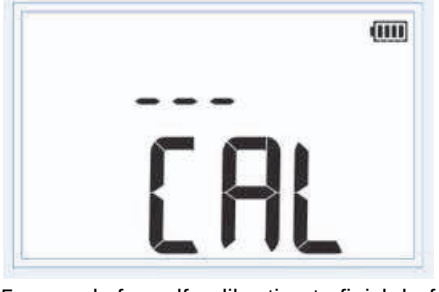
On page 5, add the following after the ‘Power On/Off’ section.

Self-Calibration

When you turn on the Clamp, it self-calibrates for best accuracy.

To start the self-calibration:

1. Open and inspect the Clamp jaws. Make sure the surfaces fit together and are clean.
2. Close the Clamp.
3. Do not attach the Clamp to a conductor or open the jaws during self-calibration.
4. Push ⏻ to turn on the Clamp. The display shows the self-calibration screen.



5. Wait 5 seconds for self-calibration to finish before you take measurements.

When the self-calibration is good, the display shows the resistance measurement screen and is ready to use.

If the self-calibration fails, the display shows the calibration error screen in the resistance measurement mode. To continue, turn off the Clamp and repeat the self-calibration. If the error persists, see *How to Contact Fluke*.

On page 13, replace Table 4 with:

Table 4. Display Reading Specifications

Input Unit: Ohm	Min	Max
0.474	0.417	0.531
0.500	0.443	0.558
10.00	9.75	10.25
100.0	98.0	102.0

On page 21, following Table 5, add Tables 6 and 7:

Table 6. Operational Error for Ground Resistance Measurement

Parameter	Specification	Typical	Max[1]
Intrinsic uncertainty	IEC 61557-5 A Reference conditions	2.11 %	4.90 %
Conductor Position	IEC 61557-5 E1 ±30°	0.00 %	0.00 %
Battery Voltage	IEC 61557-5 E2 4.4 V to 6.4 V	0.00 %	0.00 %
Temperature	IEC 61557-5 E3 -10 °C to 50 °C	4.75 %	10.28 %
Series interference voltage	IEC 61557-5 E4 3 V rms 400 Hz, 60 Hz, 50 Hz, 16-2/3 Hz, and ±3 V dc	2.45 %	5.35 %
Uncertainty	IEC 61557-5 B	8.26 %	18.23 %
[1] Confidence level: 95 %.			

Table 7. Operational Error for Leakage Current Measurement

Parameter	Specification	Typical	Max[1]
Intrinsic uncertainty	IEC 61557-13 A Reference conditions	0.06 %	0.20 %
Conductor Position	IEC 61557-13 E1 ±30°	0.06 %	0.20 %
Battery Voltage	IEC 61557-13 E2 4.4 V to 6.4 V	0.07 %	0.20 %
Temperature	IEC 61557-13 E3 -10 °C to 50 °C	0.25 %	0.47 %
Distortion	IEC 61557-13 E9	0.10 %	0.25 %
Magnetic Field	IEC 61557-13 E11 (15 Hz to 400 Hz) 10A/m Class 3 30A/m Class 2	 2.58 % 7.55 %	 4.87 % 13.45 %
Load Current	IEC 61557-13 E12 40 Arms max (50 Hz and 60 Hz)	4.72 %	9.02 %

Table 7. Operational Error for Leakage Current Measurement (cont.)

Parameter	Specification	Typical	Max[1]
Touch Current	IEC 61557-13 E13 CAT III 1000 V/ 60 Hz	0.06 %	0.20 %
Frequency	IEC 61557-13 E14 40 Hz to 1 kHz	0.40 %	0.95 %
Repeatability	IEC 61557-13 E15	0.06 %	0.20 %
Uncertainty	IEC 61557-13 B 10 A/m Class 3 30 A/m Class 2	 6.28 % 12.06 %	 10.32 % 18.87 %
[1] Accuracy guaranteed for 50 Hz and 60 Hz. Confidence level: 95 %.			