

# Manual Supplement

Manual Title: 175,177, & 179 Users  
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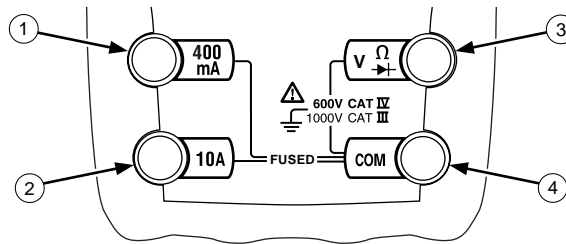
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This supplement contains information necessary to ensure the accuracy of the above manual.

## Change #1

On page 2, replace the figure with the following:



AIK01F.EPS

On page 3, add the following:

<b>Error Messages</b>	
d, 5{	Displayed while the capacitor discharges. In Capacitance function only.
EEP_r	Cannot read data from EEPROM. Turn power off, then on. If message remains, service Meter.
EEP_r Err	Invalid EEPROM data. Have Meter serviced.
CAL Err	Invalid calibration data. Calibrate Meter.

On page 4, under **MIN MAX AVG Recording Mode**, replace the note with the following:

*Note*

*For DC functions, accuracy is the specified of the measurement function  $\pm 12$  counts for changes longer than 275 ms in duration.*



*For AC functions, accuracy is the specified of the measurement function  $\pm 40$  counts for changes longer than 1.2 s in duration.*

On page 8, under **Measuring Frequency**, add the following Warning:

### **⚠ Warning**

**To avoid electrical shock, disregard the bar graph for frequencies > 1 kHz. If the frequency of the measured signal is > 1 kHz, the bar graph is unspecified.**

On page 10, under **Specifications**,

Add:	<b>Altitude:</b>	Operating: 2000 m; Storage 12000 m
Add:	<b>Temperature coefficient:</b>	0.1 X (specified accuracy / °C (< 18 °C or > 28 °C)
Change:	<b>Electromagnetic Compatibility:</b>	Performance $\geq 3$ V/m is not specified.
To:	<b>Electromagnetic Compatibility (EN 61326-1:1997):</b>	In an RF field of 3 V/M, accuracy = specified accuracy except in temperature: specified accuracy $\pm 5$ °C (9 °F).
Change:	<b>Certifications:</b>	UL (3111), CSA, TÜV (EN61010),  (N10140).
To:	<b>Certifications:</b>	UL (3111), CSA, TÜV (EN61010), CE,  (N10140).

On page 11, delete footnote 2 and replace the AC mV and the AC Volts specifications with the following:

Function	Range <sup>1</sup>	Resolution	Model 175	Model 177	Model 179
AC Volts <sup>3</sup>	600.0 mV 6.000 V 60.00 V 600.0 V 1000 V	0.1 mV 0.001 V 0.01 V 0.1 V 1 V	1.0 % + 3 (45 Hz to 500 Hz)  2.0 % + 3 (500 Hz to 1 kHz)	1.0 % + 3 (45 Hz to 500 Hz)  2.0 % + 3 (500 Hz to 1 kHz)	1.0 % + 3 (45 Hz to 500 Hz)  2.0 % + 3 (500 Hz to 1 kHz)

On page 12, make the following changes to the first table:

Under **Function**,

- Change: HZ (AC- or DC- coupled, -V or A <sup>2</sup> input)
- To: HZ (AC- or DC- coupled, -V or A <sup>2,3</sup> input)

Replace the MIN MAX AVG specifications with the following:

For DC functions, accuracy is the specified of the measurement function ± 12 counts for changes longer than 275 ms in duration.

For AC functions, accuracy is the specified of the measurement function ± 40 counts for changes longer than 1.2 s in duration.

Add the following footnote 3,

- 3. Frequency < 10 kHz are not specified in 600 mV AC, 60 mA AC, and 6 A AC ranges.

On page 12, make the following changes to the second table:

Under **Overload Protection**,

Change: Overload Protecion  
To: Overload Protection <sup>1</sup>

Add the following footnote:

1.  $10^7$  V-Hz maximum.

On page 13,

Change: **Minimum Sensitivity (RMS Sine Wave)**

To: **Typical Sensitivity (RMS Sine Wave)**

## Change #2

On page *ii*, make the following changes,


Change: **⚠ Read Before Using the Meter: Warning and Precautions**

**To ensure that the Meter is used safely and to avoid damage to the Meter:**

To: **⚠ WARNING: Read Before Using the Meter:**

**To avoid possible electric shock or personal injury, follow these guidelines:**

Under symbols change,

From: 

To: 

File 175, 177, 179 の加工等保守用番号で検索される方法。  
① ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿  
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