

## LEAKAGE CURRENT CLAMP METER

### Model 468AC

#### GENERAL SPECIFICATIONS

- 6000 counts digital display
- Large white LED backlight display
- AC True RMS reading
- High frequency rejection (selectable, cut-off frequency: 50Hz~60Hz, 1kHz)
- AC 60 Amps capability
- AC 1μA resolution
- Bluetooth connection with smartphone app
- Smart hold
- Min/Max hold
- Torch light
- Auto power off (can be disabled)
- Battery capacity indication in segments
- Up to 40mm dia. conductor size
- 4 feet drop proof
- Deluxe carrying case
- Hand guard & stream line design
- Convenient battery door
- CAT III 600V safety standard
- Designed to meet: IEC 61557-13: Class 2 ≤ 30A/m

#### ENVIRONMENTAL CONDITIONS

**Temperature Coefficient :** 0.1 x (specified accuracy) / °C  
(<18°C or >28°C)

**Operating Temperature :** -10°C to 30°C (≤ 80% R.H.)  
30°C to 40°C (≤ 75% R.H.)  
40°C to 50°C (≤ 45% R.H.)

**Storage Temperature :** -20°C to 60°C  
(≤ 80% R.H., no batteries)

**Max. Operating Altitude :** 2000m (6562ft.)

**Vibration :** Random Vibration per MIL-PRF-28800F  
Class 2 Calibration cycle: One year



#### INDOOR USE

##### Safety Standards :

IEC / EN 61010-1  
IEC / EN 61010-2-032  
CAT. III 600V, Pollution Degree 2

##### Electromagnetic Compatibility Standards (EMC) :

EN 61326-1  
EN 61326-2-2

##### Application Standards :

IEC 61557-13: Class 2, ≤ 30A/m  
@ In: 3.5 to 600 mA, Fn: 40 to 1k Hz

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#### ELECTRICAL SPECIFICATIONS

Accuracy is given as  $\pm$ (% of reading + counts of least significant digit)  
at 23°C  $\pm$  5°C ( $\leq$  80% R.H.)

#### AC Function

- ACA specifications are ac coupled, true RMS.
- For non-sinusoidal waveforms, Additional Accuracy by Crest Factor (C.F.):
  - Add 1.0% for C.F. 1.0 to 2.0
  - Add 2.5% for C.F. 2.0 to 2.5
  - Add 4.0% for C.F. 2.5 to 3.0
- Max. Crest Factor of Input Signal:
  - 3.0 @ 3000 counts
  - 2.0 @ 4500 counts
  - 1.5 @ 6000 counts
- Frequency Response is specified for sine waveform.

#### AC Current

| Range | Accuracy           |                  |                    |
|-------|--------------------|------------------|--------------------|
|       | 30 to 50 Hz        | 50 to 60 Hz      | 60 to 1k Hz        |
| 6mA*1 | $\pm (2.0\%+5D)*2$ | $\pm (1.0\%+5D)$ | $\pm (2.0\%+5D)*3$ |
| 60mA  | $\pm (2.0\%+5D)*2$ | $\pm (1.0\%+5D)$ | $\pm (2.0\%+5D)*3$ |
| 600mA | $\pm (2.0\%+5D)*2$ | $\pm (1.0\%+5D)$ | $\pm (2.0\%+5D)*3$ |
| 6A    | $\pm (2.0\%+5D)$   | $\pm (1.0\%+5D)$ | $\pm (2.0\%+5D)$   |
| 60A   | $\pm (2.0\%+5D)$   | $\pm (1.0\%+5D)$ | $\pm (2.0\%+5D)$   |

\*1 Minimum Reading is 10uA

\*2 Frequency response is 15 to 50 Hz. When frequency < 30 Hz, add 3.0% to accuracy.

\*3 Frequency response is 60 to 10k Hz.  
When frequency > 1k Hz, add 0.5% to accuracy.

**Minimum Resolution :** 1uA

**Position Error :**  $\pm$ 1% of reading

**Overload Protection :** 60A

