



## Industrial Clamp Meters



- 600 and 1000 amp clamps for a variety of industrial and commercial environments
- Unique TightSight™ bottom display makes hard-to-reach measurements convenient
- New easy-to-read displays feature large numbers and green glowing backlight
- CAT IV rating for maximum safety
- Voltage-presence warning on all functions

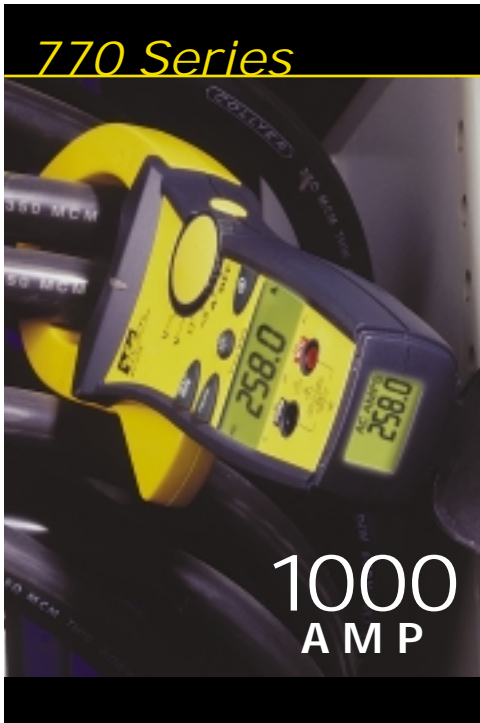


Exclusive  
TightSight™  
Display





# Industrial Clamp Meters



IDEAL developed the 770 Series to provide electricians with all the features they need for measuring in 1000A environments and industrial settings. The unique backlit display in the bottom of the clamp is an industry first. It enables an electrician to view measurement results in dark, bright or tight locations without difficulty or safety risk. Electricians have a choice between the 61-772 for testing large AC current, or the 61-774 for AC/DC testing capabilities. Both are True RMS and feature large 2-inch jaws for getting around multiple phase conductors.

### 770 Series Common Features:

- Measures up to 1000AAC
- TightSight™ bottom display
- Voltage-presence warning on all functions
- Tapered jaws with hook tip
- True RMS
- Max/min
- Peak max/min (1ms)
- Audible continuity
- Selectable auto power off
- Data hold
- Low battery indicator
- Includes leads, alligator clip and case
- CAT IV – 600V rating; CAT III – 1000V rating
- Lifetime limited warranty



▶ 61-772

▶ 61-774 features:

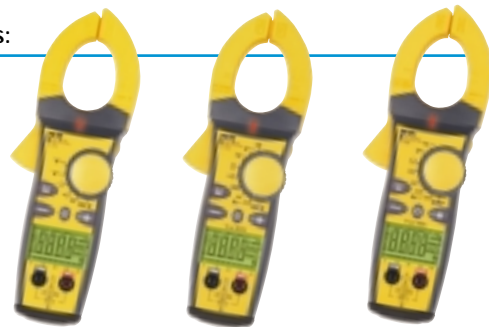
- 1000A DC current measurements
- Capacitance



For everything from routine current measurements to troubleshooting industrial motors and adjustable speed drives (ASDs), three 760 Series meters cover every scenario up to 600A. With an exclusive backlit TightSight™ display, the 760 Series brings function and ease-of-use together. The 61-764 is great for basic current measurements, but also has an array of more extensive features like a bold, bright backlit display and selectable auto power off. With added capabilities like True RMS and 40-100Hz frequency measurement, the 61-766 gives electricians a level of certainty when measuring circuits with ASDs. And for those who work with DC motors and circuits, the 61-768 is the right choice.

### 760 Series Common Features:

- Measures up to 600AAC
- TightSight™ bottom display
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- Max/min
- Peak max/min (1ms)
- Audible continuity
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▶ 61-764

▶ 61-766 features:

- True RMS
- Capacitance
- Frequency measurement via clamp head or leads
- 40AAC low range

▶ 61-768 features:

- 600A DC current measurements
- True RMS

Perfect for motor and ASD troubleshooting



Audible and visual high voltage indication over 30V AC/DC on all functions

Contains all the capabilities of a full-function multimeter

One-touch backlight button for glowing green display illumination

Tapered jaws with hook tip for tight locations and easy wire separation

Data hold button and offset thumb wheel for one-handed operation

Large numbers and symbols are easy-to-read

Patented backlit TightSight™ display for viewing in dark, bright or tight locations; Hinged rubber cover prevents display damage (field replaceable)

### Safety First!

The complete line of industrial clamps from IDEAL was designed to set a new standard for safety technology. It starts with the revolutionary TightSight™ display. It allows an electrician to keep his head and face out of potentially dangerous panels while viewing the measurement. The high voltage indicator is another feature not to be taken for granted. It indicates the presence of voltage even with the dial set to the wrong function. The CAT III and IV ratings, rugged construction and UL listing should give every electrician the confidence to go about the job without worrying about equipment safety.

Description	Cat No.
600AAC	61-764
600AAC w/TRMS, Capacitance, Frequency, 40AAC Low Range	61-766
600AAC w/TRMS, DC Current	61-768
1000AAC w/TRMS	61-772
1000AAC w/TRMS, DC Current, Capacitance	61-774
Industrial Test Lead Kit	TL-435

760 Series	Range & Resolution			Accuracy
	61-764	61-766	61-768	
AC Current	400.0/600 A	40.00/400.0/600 A	400.0/600 A	1.7%
DC Current	–	–	400.0/600 A	1.5%
AC Voltage	400.0m/4.000/40.00/400.0/750 V			1.2%
DC Voltage	400.0m/4.000/40.00/400.0/1000 V			0.5%
Resistance	400.0/4.000k/40.00k/400.0k/4.000M/10.00M Ω			1.0%
Capacitance	–	4.000μ/40.00μ 400.0μ/4.000m F	–	3.0%
Frequency	–	0.020k to 0.400k Hz Sensitivity is 20-100 Hz(≥ 5A) 100-400 Hz(≥ 10A)	–	0.1%

Jaw Size 1.42" (36 mm)

770 Series	Range & Resolution		Accuracy
	61-772	61-774	
AC Current	400.0/1000 A		1.7%
DC Current	–	400.0/1000 A	1.5%
AC Voltage	400.0m/4.000/40.00/400.0/750 V		1.2%
DC Voltage	400.0m/4.000/40.00/400.0/1000 V		0.5%
Resistance	400.0/4.000k/40.00k/400.0k/ 4.000M/10.00M Ω		1.0%
Capacitance	–	4.000μ/40.00μ 400.0μ/4.000m F	3.0%

Jaw Size 2" (51 mm)



# 400 Amp Clamp Meters



For electricians looking for a dependable, affordable 400A clamp meter, it's tough to beat the IDEAL 730 Series. From a non-contact voltage indicator at the tip of the jaws, to a large easy-to-read display, the 730 Series clamps make current measurements simple and reliable. The compact frame fits comfortably in the hand and makes it convenient in tight panels. And for those working in harmonic environments, the 61-736 features True RMS measurements.

### 730 Series Common Features:

- Measures up to 400AAC
- Non-contact voltage indicator (70V-600VAC)
- Tapered jaws with hook tip
- Auto/manual ranging
- Data hold
- Auto power off
- Low battery indicator
- Includes leads and case
- CAT III – 600V rating
- Lifetime limited warranty



▶ 61-732



▶ 61-736 features:

- True RMS

Description	Cat No.
400AAC Clamp Meter w/NCV	61-732
400AAC Clamp Meter w/NCV, TRMS	61-736

730 Series	Range & Resolution 61-732 & 61-736	Accuracy
AC Current	40.00/400.0 A	1.7%
AC Voltage	400.0/600 V	1.2%
DC Voltage	400.0/600 V	0.5%
Resistance	400.0/4.000k/40.00k 400.0k/4.000M/40.00M Ω	1.0%

Jaw Size 1.25" (32 mm)

Tapered jaws with hook tip for easy wire separation

Convenient one-touch non-contact voltage indication



Data hold button conveniently located for thumb

Auto/manual ranging

Easy-to-read large numbers and symbols

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