

# SPERRY<sup>®</sup> INSTRUMENTS

SAFE. TOUGH. ACCURATE.

## CLAMP METER PRODUCT GUIDE



























SPERRY INSTRUMENTS clamp meters have the safety and durability you need. From open jaw to true RMS models, these units combine the safety of non-contact voltage detection with multimeter functionality. As with all SPERRY INSTRUMENTS products, the units have been designed and tested for those who demand the best test instruments on the job site.





# CLAMP METER OFFERING QUICK CHART



Features and Functions	So you can . . .	DSA200AOC	DSA500A	DSA540A	DSA660	DSA600TRMS	DSA1020TRMS	DSA2009TRMS
AC Voltage	Measure voltage at AC Outlets, Electrical Panels or Devices	600V	600V	600V	600V	600V	600V	750V
DC Voltage	Measure voltage at DC Motors, Vehicle or Marine applications	600V	600V	600V	600V	600V	600V	1000V
AC Current	Safely measure current in electrical wires or panels	200A	400A	400A	600A	600A	1000A	2000A
DC Current	Safely measure current drawn from DC Motors	–	–	400A	–	–	1000A	2000A
True RMS	Measure distorted or non-sinusoidal AC voltage	–	–	–	–	✓	✓	✓
Non Contact AC Voltage	Test that AC wires are energized	–	✓	✓	✓	✓	✓	–
Resistance and Continuity	Ensure resistance meets specifications, or test continuity for open or shorted wiring	✓	✓	✓	✓	✓	✓	✓
Capacitance	Test capacitors for starting or running motors	✓	–	✓	–	✓	✓	–
Frequency	Measure AC supply or troubleshoot variable frequency drives	✓	–	✓	✓	✓	✓	✓
Temperature (Probe Type)	Measure air or device temperature	–	–	–	–	✓	✓	–
Manual or Auto Ranging	Quickly and automatically find the correct measurement range	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Total Functions	Use a single meter for many functions	9	7	10	9	12	12	13
Total Ranges	Make high resolution measurements	27	17	26	18	28	29	25
Low Battery Indicator	Know when battery is getting low	✓	✓	✓	✓	✓	✓	✓
Auto Off	Increase battery life in meter	✓	✓	✓	✓	✓	✓	✓
Backlit LCD	Read the display in low-light conditions	✓	–	–	–	✓	✓	✓
Data Hold	Save the measured value	✓	✓	✓	✓	✓	✓	✓
Carrying case	Protect your meter from damage	✓	✓	✓	✓	✓	✓	Wrist Strap
Agency Approval	Trust the safety of your meter							
CAT Rating		CAT III 600V	III 300V II 600V	III 300V II 600V	IV 600V	III 600V	IV 600V	IV 600V III 1000V
Drop Rating	Survive a drop or fall							
Crush Rating	Survive rough handling							
Warranty	Have the best warranty of any meter manufacturer							

## DSA200AOC

The DSA200OC has a 13mm open jaw and 3999 count backlit display for easy and accurate auto-ranging measurement. CAT III 600V and cETLus listed with a lifetime warranty to give our users the peace of mind they deserve. Ships with carrying case, heavy duty leads and two AA batteries included in the package.

## DSA500A

The DSA500A Sperry Instruments Clamp Meter is a 7 function, 17 range auto-ranging unit with non-contact voltage detection engineered to measure AC Current (40-400A), AC/DC Voltage (400/600V), Resistance (400/4000 $\Omega$ ), and Continuity. Get the job done accurately and quickly with data hold and max hold. Ships with carry case, heavy duty leads and three AAA batteries included in the package.

## DSA540A

The DSA540A Sperry Instruments Clamp Meter is a 10 function, 26 range auto-ranging unit with non-contact voltage detection engineered to measure AC/DC Current (40-400A), AC/DC Voltage (400/600V), Resistance (400/4000 $\Omega$ ), Frequency, and Continuity. Advanced data management including relative measurement, data hold and max hold. Ships with carry case, heavy duty leads and three AAA batteries included in the package.

## DSA660

The SPERRY INSTRUMENTS DSA660 measures current up to 600A AC/DC and features non-contact voltage detection. Accurately measures voltage, resistance and frequency. This unit features data hold, peak hold, and relative functions to maintain the reading on it's backlit display. Ships with carry case, heavy duty leads and three AAA batteries included in the package.





# TRUE RMS CLAMP METERS



## DSA600TRMS

The Sperry Instruments DSA600TRMS 600A True RMS Clamp Meter has more features and functions without the extra cost! This clamp meter offers a large range of superior functions including inrush current, a built-in work light, frequency and advanced temperature measurement. This unit features data hold, peak hold, and relative functions to maintain the reading on the 5999 count backlit screen and auto power-off functionality to extend battery life. Ships with carry case, heavy duty leads and three AAA batteries included in the package.



## DSA1020TRMS

The DSA1020TRMS is a 12 function, 29 range digital clamp meter with precise True RMS circuitry and 1000A AC/DC current measurement. Featuring temperature, duty cycle and a backlit display with bar graph for the most demanding users. CAT IV 600V rated with a lifetime warranty to ensure safety and reliability in the field. Ships with carry case, heavy duty leads and three AAA batteries included in the package.



## DSA2009TRMS

Engineered to exceed the expectations of the professional electrician, the DSA2009TRMS features True RMS circuitry and measurement of up to 2000A AC/DC. Features low pass filtering, InRush current, oscilloscope output, and a backlit display with bar graph to meet the toughest jobs head on. CAT IV 600V rated with a lifetime warranty to ensure safety and reliability in the field. Ships with wrist strap, heavy duty leads and 9V battery included in the package.

