

## Features

- The diameter of measured cable 42mm
- True RMS Measurement
- Continuity Buzzer
- Relative Measurement
- AC/DC Current measurement 1000A
- AC/DC Voltage up to 1000V AC/DC
- Resistance measurement 400mΩ ... 40 MΩ
- Capacitance measurement 4nF... 4mF
- Frequency measurement 4Hz..4MHz
- Temperature: K type thermocouple: -200~1200°C, -328~2192°F
- NCV
- Diode test
- CAT III 600V  
CAT II 1000V
- Data Hold

## RS PRO Clamp Meter

RS Stock No.: 296511



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

## Product Description

The **296511** is an auto-range professional clamp meter for measuring DC and AC voltage, AC current, Resistance, Capacitance, Frequency, Diode, and Continuity Test with battery operated. The unit is battery powered for portability and convenience.



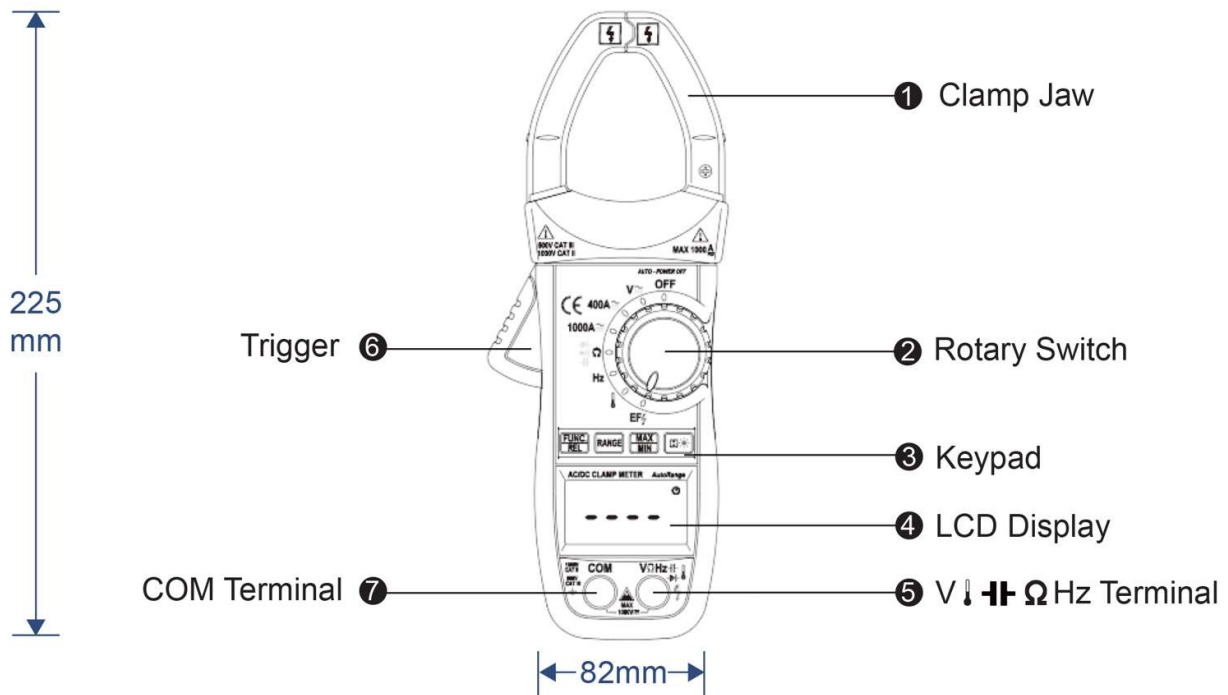
## General Specifications

| Function                        | Value   |
|---------------------------------|---|
| Electrical protection class     | CAT II 1000V and CAT III 600V   |
| Pollution degree                | 2   |
| Operating altitude              | < 2000 m  |
| Operating temperature/ humidity | 0~40°C, 32°F~104°F (<80% RH, <10°C non-condensing)  |
| Storage temperature/ humidity   | -10~60°C, 14°F~140°F (<70% RH, battery removed)   |
| Typical temperature coefficient | 0.1 x (specified accuracy) / °C (<18°C or >28°C)  |
| Low battery indicator           | The "Low Battery Indicator" is displayed when the battery is under the proper operation range |
| EMC                             | EN 61326-1  |
| Safety LVD                      | EN 61010-1 EN 61010-031 EN 61010-032  |
| Power supply                    | AAA x 3 Pieces  |
| Dimension/ weight               | 225(L) x 82(W) x 28(H) mm/ Approx 260g (without battery)                                      |

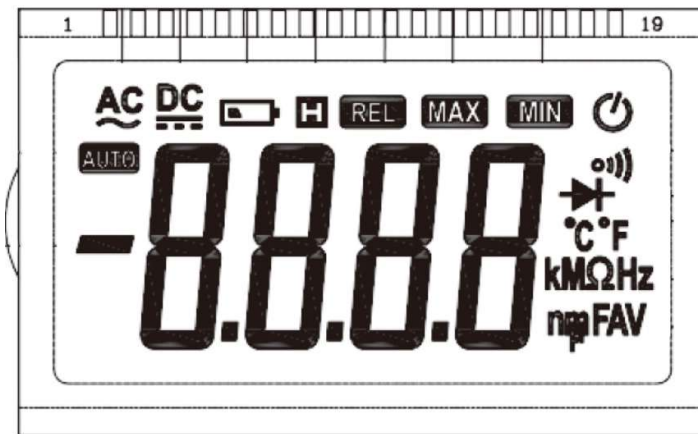
## Pocket Multimeter Selection Guide

|                      | 296511  |
|----------------------|---|
| DC Voltage           | 400mV/ 4V/ 40V/ 400V/ 1000V $\pm$ (0.8%+5)                              |
| AC Voltage           | 4V/ 40V/ 400V/ 1000V $\pm$ (1.2%+5)                                     |
| DC Current           | 400A/ 1000A $\pm$ (3%+5)  |
| AC Current           | 400A/ 1000A $\pm$ (3%+8)  |
| Resistance           | Yes (40M $\Omega$ )   |
| Capacitance          | 4nF/ 40nF/ 400nF/ 4 $\mu$ F/ 40 $\mu$ F/ 400 $\mu$ F/ 4mF $\pm$ (4%+10) |
| Frequency            | 4Hz/ 40Hz/ 400Hz/ 4kHz/ 40kHz/ 400kHz/ 4MHz $\pm$ (0.1%+2)              |
| Frequency from Clamp | 40Hz~400Hz $\pm$ (0.1%+1)   |
| Temperature          | -200°C~1200°C (-328~2192°F)   |
| Max. Display         | 3999  |
| LCD Size             | 44*23 mm  |
| Max. Jaw Opening     | $\Phi$ 42mm   |

## Panel and Constructure



## LCD and Symbol



- Display/ char. height: 7-segment characters/ 23 mm
- Number of digits: 33/4 / 3999 steps
- Overflow display: "OL" is displayed
- Polarity display: "-" (minus sign) is displayed if plus pole is connected to "⊥"
- Sample rate: 3 times/ sec for digital data

## Contents



L225 x W82 x D28mm  
L8.8" x W3.2" x D1.1"  
260g/ 0.57lb



Battery 1.5V  
)AAA\* x 3



Accessories

Test Leads  
K-type Thermocouple  
Carry Bag  
Battery



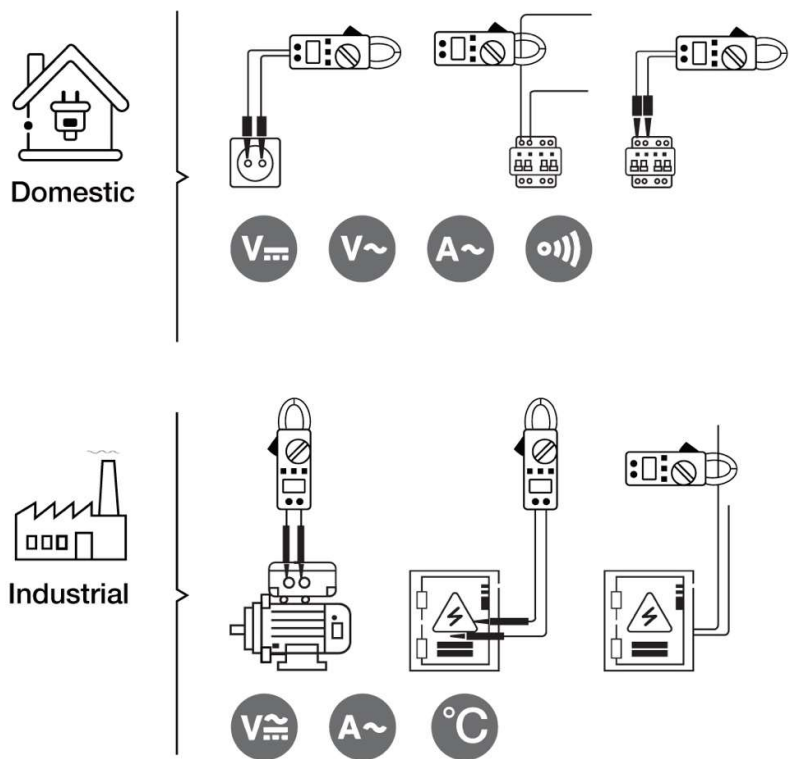
User  
Manual

## Packaging Information



**Color Box**  
L 139 X W 52 X H 255mm

Main Applications



Order Details

| Stock No. | Brand  | Product Name        | Multimeter Type | Functions Measured  | Digit Resolution |
|-----------|--------|---------------------|-----------------|---|------------------|
| 296511    | RS Pro | Digital Clamp Meter | Handheld        | Auto Range<br>AC & DC,<br>1000V AC/DC,<br>1000A AC/DC,<br>$\Omega$ , CAP, Hz, $^{\circ}C$ | -                |