



## Product Datasheet

ENGLISH

**Stock No: 1231976, 1231977, 1231978,  
1231979, 1231980, 1231981 & 1231982**

## RS PRO AC CLAMP METER

EN



## Features

400A AC Current Measurement  
2000 LCD display counts  
Data Hold  
Auto Power Off  
Low battery indication  
1.2" (30mm) Jaw opening  
Non-contact voltage detection  
Voltage detection range: 100V-600V

## SPECIFICATIONS

Function	Range	Accuracy (% of reading+ digits)	Resolution
DC Voltage	200 mV	$\pm (1.5\% + 2d)$	0.1mV
	2V	$\pm (1.5\% + 2d)$	1mV
	20V	$\pm (1.5\% + 2d)$	10mV
	200V	$\pm (1.5\% + 2d)$	100 mV
	600V	$\pm (2\% + 2d)$	1V

Input Impedance:10MΩ

Over range protection:600V

<b>Function</b>	<b>Range</b>	<b>Accuracy (% of reading+ digits)</b>	<b>Resolution</b>
<b>AC Voltage</b>	200mV	$\pm (1.5\% + 10d)$	0.1mV
	2V	$\pm (1.5\% + 8d)$	1mV
	20V	$\pm (1.5\% + 8d)$	10mV
	200V	$\pm (1.5\% + 8d)$	100 mV
	600V	$\pm (2.5\% + 8d)$	1V

Input Impedance:  $10M\Omega$

Over range protection:600V

Frequency Response:50Hz~400Hz

<b>Function</b>	<b>Range</b>	<b>Accuracy (% of reading+ digits)</b>	<b>Resolution</b>
<b>AC Current</b>	20A	$\pm (2.5\% + 5d)$	10mA
	200A	$\pm (2.5\% + 5d)$	100mA
	400A	$\pm (3\% + 5d)$	1A

Over range protection: Maximum input 400A

Frequency Response:50Hz~60Hz

<b>Function</b>	<b>Range</b>	<b>Accuracy (% of reading+ digits)</b>	<b>Resolution</b>
<b>Resistance</b>	200Ω	$\pm (1.0\% + 4d)$	0.1Ω
	2kΩ	$\pm (1.5\% + 4d)$	1Ω
	20kΩ	$\pm (1.5\% + 4d)$	10Ω
	200kΩ	$\pm (1.5\% + 4d)$	100Ω
	2MΩ	$\pm (0.5\% + 4d)$	1k
	20MΩ	$\pm (0.5\% + 4d)$	10k

Over range protection:250V rms

<b>Function</b>	<b>Range</b>	<b>Accuracy (% of reading+ digits)</b>	<b>Resolution</b>
<b>Temperature</b>	(-4 °F to 1400 °F )	$\pm(3\% \pm 8 °F )$	1°F
	(-20.0 °C to 760.0 °C)	$\pm(3.0\% \pm 5°C)$	1 °C

Sensor: K Type banana plug

<b>Function</b>	<b>Testing Condition</b>	<b>Reading</b>
<b>Diode</b>	Forward DCA is approx.0.3mA,backward Voltage is approx. 1.5V	Forward voltage drop of Diode
<b>Continuity</b>	Open voltage is appprox.0.5V	Buzzer makes a long sound, While resistance is less than( $150\Omega$ )

Over range protection:250V rms

## General Specifications

<b>Clamp size</b>	Opening 1.2" (30mm) approx
<b>Diode Test</b>	Test current of 0.3mA typical Open circuit voltage 1.5V DC typical
<b>Continuity Check</b>	Threshold $<150\Omega$ ; Test current $< 0.5mA$
<b>Low Battery Indication</b>	"  " is displayed
<b>OVERRANGE INDICATION</b>	"OL"" is displayed
<b>Measurements Rate</b>	2 per second, nominal
<b>Input Impedance</b>	10M $\Omega$ (VDC and VAC)
<b>Display</b>	2000 counts LCD
<b>AC Current</b>	50-60Hz (AAC)
<b>AC Voltage bandwidth</b>	50-60Hz (VAC)
<b>Operating Temperature</b>	41 to 104°F (5 to 40°C)
<b>Storage Temperature</b>	-4 to 140°F (-20 to 60°C)
<b>Operating Humidity</b>	Max 80% up to 87°F (31°C) decreasing linearly to 50% at 104°F(40°C)

<b>Storage Humidity</b>	<80%
<b>Operating Altitude</b>	7000ft. (2000meters) maximum
<b>Over voltage</b>	Category III 600V
<b>Battery</b>	2 x 1.5V AAA Batteries
<b>Auto OFF</b>	Approx. 15 minutes
<b>Dimensions/Weight</b>	197x70x40mm/183g
<b>Safety</b>	Indoor use only Pollution Degree 2 Installation Category III

## **Accessories:**

Test leads, Carrying case, Temperature probe, User manual and Two "AAA" 1.5V batteries.