

## FEATURES

- 6,000 counts digital display
- Large white LED backlight display
- AC/DC 1000V Capability
- AC/DC 1500A Capability
- True RMS reading on ACA/ACV
- DC 600mV measurement
- Resistance, Diode, Capacitance & Frequency measurement
- ContiVision™ for visible Continuity Beeper
- VoltSeek™ for non-contact voltage detection
- 3000ACA measurement via flexible probe
- LoZ for prevent false reading from ghost voltage
- High Frequency Rejection(HFR)
- Inrush current measurement(100ms)
- Auto Ranging
- DCA ZERO
- Smart HOLD
- MIN/MAX
- Torch light on trigger push
- Data Logging / Manual Save up to 4000 records
- Bluetooth connection with RS connect APP
- Battery Capacity indication in segments
- Auto Power Off
- Deluxe Carrying Case
- CAT IV 600V / CAT III 1000V Safety Standards

## RS PRO Clamp Meter

RS Stock No.: 2048313, 2048341, 2048342



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

### Product Description

*The RS 177 True-RMS Bluetooth clamp meter measures current up to 1500A AC /DC and voltage up to 1000V AC/DC. RS 177 is integrated with Flexible Current Probe expanding the current range to 3000 ACA, providing direct "Amp" reading display. It is an ideal troubleshooting tool for industrial electricians.*

### General Specifications

<b>Product Range</b>	
<b>Series</b>	170Series
<b>Model Number</b>	177
<b>Clamp Meter Type</b>	Multifunction Clamp
<b>Functions Measured</b>	AC Current, AC Voltage, Continuity, DC Current, DC Voltage, Frequency, Resistance, Diode, Capacitance
<b>Display Type</b>	6000 Digit LCD
<b>Number of Display Digits</b>	4
<b>Number of Value Displayed</b>	
<b>Sampling Rate</b>	3 times/sec
<b>Overload Protection</b>	Yes
<b>True RMS</b>	Yes
<b>Non-Contact Voltage Detector</b>	Yes
<b>Auto Range Function</b>	Yes
<b>Recording Function</b>	Yes
<b>Alarm Function</b>	Yes
<b>Data Hold</b>	Yes
<b>Auto power OFF</b>	Yes
<b>Best DC Current Accuracy</b>	±2.0% + 5 digit
<b>Temperature coefficient</b>	± 0.2 x (Specified accuracy) / °C, < 18°C, > 28°C
<b>Communication Interface</b>	Bluetooth
<b>Applications</b>	Industrial electricians

### Measurement

Parameter	Range	Accuracy	Resolution
Absolute Current (AC)	0.01A - 1500A	±2.0% + 5 digit	0.01A
Absolute Current (DC)	0.01A - 1500A	±2.0% + 5 digit	0.01A
Absolute Voltage (AC)	0.1V to 1000V	±1.0% + 5 digit	0.1V
Absolute Voltage (DC)	0.1mV to 1000V	±0.7% + 2 digit	0.1mV
AC VFD Voltage Range	1000V	±5.0% + 5 digit	0.1V
Active Power			
Capacitance	1mF Max	±1.9%+ 2 digit	0.1µF
Continuity Threshold	20Ω		
Diode Test	0.001 to 1.5V	±0.9%+ 2 digit	±0.001V
Frequency	100.00Hz to 10.000kHz	±0.3% + 3 digit	0.01Hz
Harmonics			
Inrush Current	1500 ACA Max	±5.0% + 5 digit	0.01A
Absolute Resistance	0.1Ω - 600.0kΩ	±0.9% + 2 digit	0.1ohm
Total Harmonic Distortion			
Absolute Temperature			
Power Factor			

### Electrical Specifications

Power Source	Battery
Battery Type	AA Size x2
Battery Life	300 hours
Overload capacity	1000V/1500A
Safety Category Level and Voltage	CAT IV 600V, CAT III 1000V

### Mechanical Specifications

Clamping Diameter	45mm
Jaw Capacity (Busbars)	62mm x 12mm
Maximum Conductor Size	42mm
Dimensions	254mm x 62mm x 41mm
Width	62mm
Length	254mm
Height	41mm
Weight	480g

## Operation Environment Specifications

Relative Humidity	from 0 to 80% RH
Operating Temperature Range	-10°C to 50°C
Storage Temperature Range	-20°C to 60°C

## Additional Information

EAN	
Custom Tariff Number	

## Classification

eCl@ss Version	
UNSPSC Version	
ETIM Version	

## Approvals

Compliance/Certifications	CE / EN / IEC
Declarations	

## Accessories Includes

Stock #	Item Name	Item Description	Qty

## Similar Products

Stock No.	RS#	RS#	RS#	RS#
Model Number				
Clamp Meter Type				
Clamping Diameter				
Functions Measured				
Display Type				
Sampling Rate				
Recording Function				
Absolute Current (AC)				
Absolute Current (DC)				
Absolute Voltage (AC)				
Absolute Voltage (DC)				
AC VFD Voltage Range				
Active Power				
Capacitance				
Continuity Threshold				
Diode Test				
Frequency				
Best Accuracy				
Temperature coefficient				
Communication Interface				

Product Additional Information / Illustrations