

FEATURES

- 6,000 counts digital display
- Large white LED backlight display
- AC/DC 1000V Capability
- AC 600A 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
- LoZ for prevent false reading from ghost voltage
- High Frequency Rejection(HFR)
- Inrush current measurement(100ms)
- DC μ A for flame rod testing
- °C/°F Temperature Function
- Auto Ranging
- 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.: 2048310, 2048334, 2048336



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 172 True-RMS Bluetooth clamp meter measures current up to 600A AC and voltage up to 1000V AC/DC. DC mV testing and DC μ A for flame rod testing. It is an ideal troubleshooting tool for HVAC electricians.

General Specifications

Product Range	
Series	170Series
Model Number	172
Clamp Meter Type	Multifunction Clamp
Functions Measured	AC Current, AC Voltage, Continuity, DC Voltage, Frequency, Resistance, Diode, Capacitance
Display Type	6000 Digit LCD
Number of Display Digits	4
Number of Value Displayed	
Sampling Rate	3 times/sec
Overload Protection	Yes
True RMS	Yes
Non-Contact Voltage Detector	Yes
Auto Range Function	Yes
Recording Function	Yes
Alarm Function	Yes
Data Hold	Yes
Auto power OFF	Yes
Best DC Voltage Accuracy	$\pm 0.7\% + 2$ digit
Temperature coefficient	$\pm 0.2 \times$ (Specified accuracy) / °C, < 18°C, > 28°C
Communication Interface	Bluetooth
Applications	HVAC electricians

Measurement

Parameter	Range	Accuracy	Resolution
Absolute Current (AC)	0.01A - 600A	±2.0% + 5 digit	0.01A
Absolute Current (DC)			
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	600 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			
Temperature	-40.0°C – 400.0°C	±1.0% + 20 digit	0.1°C

Electrical Specifications

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

Mechanical Specifications

Clamping Diameter	45mm
Jaw Capacity (Busbars)	45mm x 10mm
Maximum Conductor Size	37mm
Dimensions	240mm x 62mm x 41mm
Width	62mm
Length	240mm
Height	41mm
Weight	430g

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