

Comparison of REED Clamp Meters



MODEL	R5015	R5020	R5030	R5040	R5055	R5065
AC/DC CURRENT						
Range	AC: 600, 6000mA, 60A/ V.F.C. 600mA-60A DC: 6000mA, 60A	AC: 40, 400A	AC/DC: 50, 500A	AC/DC: 500, 1000A	AC/DC: 60, 600, 1000A	AC: 30, 300, 3000A
Accuracy	AC (@50/60Hz): 600mA: ±(1.5% rdg +10 dgt), 6000mA: ±(2.5% rdg +5 dgt), 60A: ±(2% rdg +5 dgt)/V.F.C. ±(4% rdg +10 dgt) DC: 6000mA: ±(2% rdg +5 dgt), 60A: ±(2% rdg +3 dgt)	AC: ±(2.5% rdg + 8 dgt)	AC: ±(2.8% rdg +30 dgt) DC: ±(2.5% rdg +30 dgt)	AC: ±(2.8% rdg +30 dgt) DC: ±(2.5% rdg +30 dgt)	AC: 60A: ±(2% rdg +9 dgt), 600, 1000A: ±(2% rdg +5 dgt) DC: ±(2% rdg +5dgt)	AC: Center Position: ±(3% rdg +5 dgt)
Resolution	AC: 0.1, 1mA, 0.1A/ V.F.C. 0.1mA, 0.01A DC: 1mA, 0.01A	AC: 0.01, 0.1A	AC/DC: 0.01, 0.1, 1A	AC/DC: 0.01, 0.1, 1A	AC/DC: 0.01, 0.1, 1A	AC: 0.01, 0.1, 1A
AC/DC VOLTAGE						
Range	AC: 6, 60, 600V/ V.F.C. 200-600V DC: 600mV, 6, 60, 600V	AC: 4, 40, 400, 600V DC: 400mV, 4, 40, 400, 600V	AC: 500mV, 5, 50, 500, 750V DC: 500mV, 5, 50, 500, 1000V	AC: 500mV, 5, 50, 500, 750V DC: 500mV, 5, 50, 500, 1000V	AC: 6, 60, 600, 1000V DC: 600mV, 6, 60, 600, 1000V	N/A
Accuracy	AC: ±(0.8% rdg +3 dgt)/ V.F.C. ±(4.0% rdg +3 dgt) DC: 600mV: ±(0.7% rdg +5 dgt), ±(0.7% rdg +3 dgt)	AC: ±(1.8% rdg +8 dgt) DC: ±(1.5% rdg +2 dgt)	AC: ±(1.0% rdg +30 dgt) DC: ±(0.1% rdg +4 dgt)	AC: ±(1.0% rdg +30 dgt) DC: ±(0.1% rdg +4 dgt)	AC: 6V: ±(1.2% rdg +3 dgt), 60, 600, 1000V: ±(1.0% rdg +8 dgt) DC: 600mV: ±(0.8% rdg +3 dgt), 6, 60, 600, 1000V: ±(0.5% rdg +5 dgt)	N/A
Resolution	AC: 1, 10mV, 0.1, 1V/ F.C.V. 0.1V DC: 10µV, 1, 10mV, 0.1V	AC: 0.001, 0.01, 0.1, 1V DC: 0.1mV, 0.001, 0.01, 0.1, 1V	AC/DC: 0.1mV, 0.001, 0.01, 0.1, 1V	AC/DC: 0.1mV, 0.001, 0.01, 0.1, 1V	AC/DC: 0.1mV, 0.001, 0.01, 0.1, 1V	N/A
RESISTANCE						
Range	600Ω, 6, 60, 600kΩ, 6, 60MΩ	400Ω, 4, 40, 400kΩ, 4, 40MΩ	500Ω, 5, 50, 500kΩ, 5, 50MΩ	500Ω, 5, 50, 500kΩ, 5, 50MΩ	600Ω, 6, 60, 600kΩ, 6, 60MΩ	N/A
Accuracy	600Ω: ±(1.0% rdg +2 dgt), 6, 60, 600kΩ: ±(0.8% rdg +2 dgt), 6MΩ: ±(1.2% rdg +3 dgt), 60MΩ: ±(1.5% rdg +5 dgt)	±(1.5% rdg + 2 dgt)	±(1.0% rdg + 4 dgt)	±(1.0% rdg + 4 dgt)	600Ω: ±(1.0% rdg +3 dgt), 6, 60, 600kΩ: ±(1% rdg +2 dgt), 6, 60MΩ: ±(2.0% rdg +8 dgt)	N/A
Resolution	0.1Ω, 0.001, 0.01, 0.1kΩ, 0.001, 0.01MΩ	0.1Ω, 0.001, 0.01, 0.1kΩ, 0.001, 0.01MΩ	0.1Ω, 0.001, 0.01, 0.1kΩ, 0.001, 0.01MΩ	0.1Ω, 0.001, 0.01, 0.1kΩ, 0.001, 0.01MΩ	0.1Ω, 0.001, 0.01, 0.1kΩ, 0.001, 0.01MΩ	N/A
CAPACITANCE						
Range	6.2, 62, 620nF, 6.2, 62, 620µF, 6.2, 62mF	40, 400nF, 4, 40, 100µF	500, 5000nF, 50, 500µF, 5mF	500, 5000nF, 50, 500µF, 5mF	60, 600.0nF, 6, 60, 600µF, 6, 60mF	N/A
Accuracy	6.2nF: ±(4% rdg + 10 dgt), 6.2nF~620µF: ±(4% rdg + 5 dgt), 6.2~62mF: ±10% rdg	±(3% rdg + 5 dgt)	±(3.5% rdg +10 dgt)	±(3.5% rdg +10 dgt)	60nF: ±(4.0% rdg +25 dgt), 600nF, 6, 60, 600µF: ±(4.0% rdg +5 dgt), 6, 60mF: ±(10.0% rdg +9 dgt)	N/A
Resolution	1, 10pF, 0.1, 1, 10µF	0.01, 0.1nF, 0.01, 0.1µF	0.01, 0.1nF, 0.01, 0.1µF, 0.1mF	0.01, 0.1nF, 0.01, 0.1µF, 0.1mF	0.01, 0.1nF, 0.001, 0.01, 0.1µF, 0.001, 0.01mF	N/A
FREQUENCY						
Range	10Hz~60kHz	10MHz	10kHz	10kHz	10Hz, 1MHz	N/A
Accuracy	±(0.1% rdg + 4 dgt)	±(1.2% rdg + 2 dgt)	±(0.5% rdg +10 dgt)	±(0.3% rdg +2 dgt)	±(0.1% rdg +3 dgt)	N/A
Resolution	0.001Hz~0.01kHz	0.01Hz	0.001Hz	0.001Hz	0.1Hz, 1kHz	N/A
LOW PASS FILTER (LPF) AC VOLTAGE						
Range	N/A	N/A	N/A	N/A	600, 1000V	N/A
Accuracy	N/A	N/A	N/A	N/A	±(2% rdg +5 dgt)	N/A
Resolution	N/A	N/A	N/A	N/A	0.1, 1V	N/A
LOW IMPEDANCE (LoZ) AC VOLTAGE						
Range	N/A	N/A	N/A	N/A	600, 1000V	N/A
Accuracy	N/A	N/A	N/A	N/A	±(2% rdg +5 dgt)	N/A
Resolution	N/A	N/A	N/A	N/A	0.1, 1V	N/A
TEMPERATURE						
Range	N/A	-4 to 1400°F (-20 to 760°C)	-148 to 1832°F (-100 to 1000°C)	-148 to 1832°F (-100 to 1000°C)	-40 to 1832°F (-40 to 1000°C)	N/A
Accuracy	N/A	±(3.0% rdg + 9°F) ±(3.0% rdg + 5°C)	±(1.0% rdg + 4.5°F) ±(1.0% rdg + 2.5°C)	±(1.0% rdg + 4.5°F) ±(1.0% rdg + 2.5°C)	573~1832°F: ±(1.0% rdg + 4°F), 40~572°F: ±(1.0% rdg + 40°F); 300~1000°C: ±(1.0% rdg + 2°C), -40~300°C: ±(1.0% rdg + 20°C)	N/A
Resolution	N/A	1°F, 1°C	1°F, 1°C	1°F, 1°C	1°F, 1°C	N/A

Comparison of REED Clamp Meters



MODEL	R5015	R5020	R5030	R5040	R5055	R5065
GENERAL SPECIFICATIONS						
Range Selection	Autoranging	Autoranging / Manual	Autoranging/Manual	Autoranging/Manual	Autoranging/Manual	N/A
True RMS	Yes	N/A	Yes	Yes	Yes	N/A
Diode Test	Yes	Yes	Yes	Yes	Yes	N/A
Continuity Check	Audible signal <10Ω	Audible signal <150Ω	Audible signal <35Ω	Audible signal <35Ω	Audible signal <30Ω	N/A
Duty Cycle	N/A	Yes	Yes	Yes	Yes	N/A
Display	6,000 count LCD	4,000 count LCD	50,000 count LCD	50,000 count LCD	6,000 count LCD	N/A
Display Backlight	Yes	N/A	Yes	Yes	Yes	N/A
Display Hold	Yes	Yes	Yes	Yes	Yes	N/A
Max/Min	N/A	N/A	N/A	Yes	Yes	N/A
Peak Hold	N/A	N/A	N/A	N/A	N/A	N/A
Zero Push Button Adjustment	Yes	N/A	N/A	N/A	Yes	N/A
Relative Mode	Yes	Yes	Yes	Yes	Yes	N/A
Analog Bargraph	N/A	N/A	N/A	Yes (61-segment)	Yes (31-segment)	N/A
Overrange Indicator	Yes	Yes	Yes	Yes	Yes	N/A
Non-Contact Voltage Detector	Yes	Yes	Yes	Yes	Yes	N/A
Built-in Flashlight	N/A	N/A	N/A	N/A	Yes	N/A
Kick Stand	N/A	N/A	N/A	N/A	N/A	N/A
Auto Shutoff	Yes (after 15 mins)	Yes (after 15 mins)	Yes (after 15 mins)	Yes (after 15 mins)	Yes (after 15 mins)	N/A
Power Supply	2 x AAA Batteries	2 x AAA Batteries	2 x AAA Batteries	9V Battery	3 x AAA Batteries	3 x AAA Batteries
Low Battery Indicator	Yes	Yes	Yes	Yes	Yes	Yes
Jaw Opening	0.67" (17mm)	1.2" (30mm), up to 350 MCM	1.2" (30mm), up to 350 MCM	1.5" (40mm), up to 500 MCM	1.7" (42mm), up to 1500 MCM	18" (457.2 mm)
Flexible Current Probe Option	N/A	N/A	N/A	N/A	Yes	N/A
Cable Length	N/A	N/A	N/A	N/A	N/A	39" (991 mm)
Overvoltage Category	CAT. II 600V, CAT. III 300V	CAT. III 600V	CAT. III 600V	CAT. III 600V	CAT. III 1000V, CAT. IV 600V	CAT. IV 600V
Product Certifications	CE, ETL, RoHS	CE	CE	CE	CE, ETL	CE, ETL
Operating Temperature	32 to 104°F (0 to 40°C)	32 to 122°F (0 to 50°C)	32 to 122°F (0 to 50°C)	32 to 122°F (0 to 50°C)	32 to 122°F (0 to 50°C)	32 to 122°F (0 to 50°C)
Storage Temperature	14 to 122°F (-10 to 50°C)	-4 to 140°F (-20 to 60°C)	-4 to 140°F (-20 to 60°C)	-4 to 140°F (-20 to 60°C)	14 to 140°F (-10 to 60°C)	-4 to 140°F (-20 to 60°C)
Dimensions	6.9 x 2.4 x 1.3" (175 x 60 x 33.5 mm)	7.9 x 2.6 x 1.5" (200 x 66 x 37 mm)	7.9 x 2.6 x 1.5" (200 x 66 x 37 mm)	9.1 x 3.0 x 1.5" (232 x 77 x 39 mm)	10.7 x 3.2 x 1.7" (272 x 81 x 43.5 mm)	10.5 x 4.7 x 1.3" (267 x 119.4 x 34 mm)
Weight	6 oz (170g)	7.2 oz (205g)	8.1 oz (230g)	9.6 oz (271g)	15.8 oz (447g)	9.2 oz (260g)

[Learn More](#)[Learn More](#)[Learn More](#)[Learn More](#)[Learn More](#)[Learn More](#)