

Features & Measurements

- ✓ AC and DC voltage measurement up to 1000 V
- ✓ Resistance and audible continuity
- ✓ Min / Max analysis
- ✓ True InRush overcurrent measurement
- ✓ Automatic AC/DC detection
- ✓ Auto Power Off
- ✓ Individual Harmonics upto 25th order
- ✓ AC & DC Voltage
- ✓ AC & DC Current
- ✓ Resistance & Diode function
- ✓ Power values
- ✓ Harmonics
- ✓ Ripple
- ✓ Recording
- ✓ PC software



Specifications

Specifications	F407	F607
Clamping diameter	48 mm	60 mm
Display // Resolution	Backlit LCD // 10,000 counts	Backlit LCD // 10,000 counts
Number of values displayed	3	
Type of acquisition	TRMS [AC, AC+DC]/DC	
Autorange/ Automatic AC / DC detection	Yes/ Yes/Yes	
A AC	0.25 to 1,000 A (1,500 A peak)	0.25 to 2,000 A (3,000 A peak)
A DC	0.25 to 1500 A	0.25 to 3,000 A
A AC+DC	0.25 to 1,000 A (1,500 A peak)	0.25 to 2,000 A (3,000 A peak)
Best accuracy	1 % L. + 3 cts	
V AC , V DC , V AC+DC	0.15 to 1,000 V	
Best accuracy	1 % reading + 3 cts	
Hz	Current: 5,0 Hz to 2,000 Hz Voltage: 5,0 Hz to 20.00 kHz	Current: 5,0 Hz to 1,000 Hz Voltage: 5,0 Hz to 20.00 kHz
Ohm	0.1 Ω to 99.99 kΩ	
Open-circuit voltage	≤ 8 V	
Measurement current	≤ 680 μA	
Audible continuity / 1 phase and total 3 phase power values	Yes / Yes	
Continuity threshold	40 Ω	
Diode test (semiconductor junction)	Yes	
RELative ΔX / Differential ΔX/X (%)	No	Yes
Active power	1 W to 1,000 kW	1 W to 2,000 kW
Reactive power	1 var to 1,000 kvar	1 var to 2,000 kvar
Apparent power	1 VA to 1,000 kVA	1 VA to 2,000 kVA
FP / DPF / Harmonic analysis / THDf / THDr	Yes / Yes/Yes / Yes / Yes	
Frequency analysis	25th order	
True InRush (Overcurrent measurement)	Motor inrush, Load change, Hold, Min. / Max, Peak+ / Peak-	
Data recording	Yes	
Communication interface	Bluetooth	
Electrical safety as per IEC 61010	1000 V CAT IV & CAT III	1,000 V CAT IV & CAT III
Power supply	4 x 1.5 V AA	4 x 1.5 V AA
Dimensions & weight	92 x 272 x 41 mm / 600 g	111 x 296 x 41 mm / 640 g