

F200 - F400 - F600 Series

AC, DC and AC+DC TRMS Clamp Multimeters



F200 Serie



F400 Serie



F600 Serie

True *InRush*

- Current: 2,000 A_{AC} / 3,000 A_{DC}
- Voltage: 1,000 V_{AC/DC}
- Clamping diameter: 60 mm
- Large 10,000-count display
- Automatic AC/DC detection
- Min, Max, Peak
- RERelative and differential measurements
- Power values
- THD & Harmonics

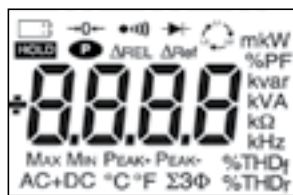
F200 SERIE

F200 serie	
Clamping diam.	34 mm
Current	600 A _{AC} or AC+DC 900 A _{DC}
Domain of use	600V CAT IV 1,000 V CAT III

The F200 clamps are ideal for low-power or medium-power low-voltage applications: maintenance of tertiary or industrial electrical installations or installed machines, power supply diagnostics and/or sizing, commissioning of air-conditioning and heating systems, work on electric vehicles, etc.



	F201	F203	F205
Display resolution	6,000 cts	6,000 cts	6,000 cts
Measurements displayed	x1	x1	x1
Display backlighting		•	•
Acquisition method	TRMS	TRMS	TRMS
Automatic AC/DC detection	•	•	•
A			
AC	•	•	•
DC	•	•	•
AC+DC	•	•	•
V			
AC	•	•	•
DC	•	•	•
AC+DC	•	•	•
Hz	•	•	•
Resistance/audible continuity	•	•	•
Temperature (°C / °F)	•	•	•
Adapter function		•	
2-wire phase rotation			•
W, var, VA, PF			•
THD _r / THD _f			•
Min. / Max.	•	•	•
Peak+ / Peak-			•
True InRush	•	•	•
ΔREL		•	•



Complete display of F200 Series models



F400 SERIE

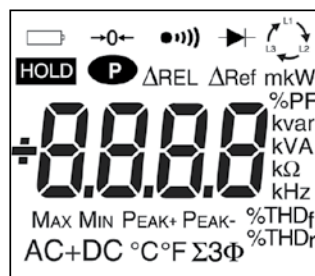
F400 serie	
Clamping diam.	48 mm
Current	1,000 A _{AC} or AC+DC 1,500 A _{DC}
Domain of use	1,000V CAT IV 1,000 V CAT III

The F400 Series is designed for medium-power low-voltage applications in sectors such as LV electricity production and distribution, industry, railways, etc. It is also suitable for lift/elevator technicians and other lifting and transport specialists.

The main applications for the clamps in this series are maintenance, testing, monitoring, diagnostics and connection.



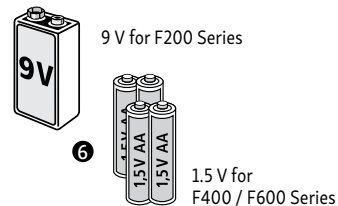
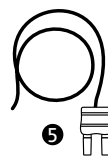
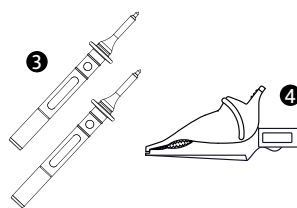
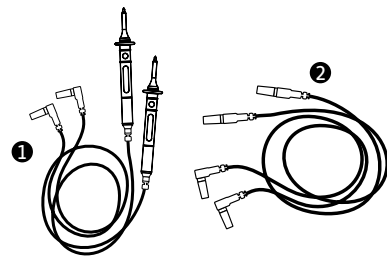
	F401	F403/F603
Display resolution	10,000 cts	10,000 cts
Measurements displayed	x 1	x 1
Display backlighting	•	•
Acquisition method	TRMS	TRMS
Automatic AC/DC detection	•	•
A		
AC	•	•
DC	•	•
AC+DC	•	•
V		
AC	•	•
DC	•	•
AC+DC	•	•
Hz	•	•
Resistance/audible continuity	•	•
T° (°C / °F)	•	•
Adapter function		•
2-wire phase rotation		
W, var, VA, PF		
DPF		
THD _f / THD _r		
Harm0... Harm25		
Min. / Max.	•	•
Peak+ / Peak-		
True InRush	•	•
ΔREL		•
Recording		
PC software (included) / Bluetooth		



Complete display for F401, F403, F405, F603 & F605



Model	F200 SERIES			F400 SERIES				F600 SERIES		
	F201	F203	F205	F401	F403	F405	F407	F603	F605	F607
Clamping diameter	34 mm			48 mm				60 mm		
Display	LCD	Backlit LCD		Backlit LCD				Backlit LCD		
Resolution	6,000 counts			10,000 counts				10,000 counts		
Number of values displayed	1			1				3		
Type of acquisition	TRMS [AC]	TRMS [AC]/DC	TRMS [AC, AC+DC]/DC	TRMS [AC]	TRMS [AC]/DC	TRMS [AC, AC+DC]/DC		TRMS [AC]/DC	TRMS [AC, AC+DC]/DC	
Autorange	Yes			Yes				Yes		
Automatic AC / DC detection	-	Yes		-	Yes			Yes		
A AC	0.25 to 600 A (900 A peak)			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 900 A		-	0.25 to 1,500 A			0.25 to 3,000 A		
A AC+DC	-	0.25 to 600 A (900 A peak)		-	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			1% L. + 3 cts				1% L. + 3 cts		
V AC	0.15 to 1,000 V			0.15 to 1,000 V				0.15 to 1,000 V		
V DC	0.15 to 1,000 V			0.15 to 1,000 V				0.15 to 1,000 V		
V AC+DC	-	0.15 to 1,000 V		-	0.15 to 1,000 V			-	0.15 to 1,000 V	
Best accuracy	-	1% reading + 3 cts		-	1% reading + 3 cts			-	1% reading + 3 cts	
Hz	Current: 5.0 Hz to 3,000 Hz Voltage: 5.0 Hz to 20.00 kHz			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 59.99 kΩ			0.1 Ω to 99.99 kΩ				0.1 Ω to 99.99 kΩ		
Open-circuit voltage	≤ 8 V			≤ 8 V				≤ 8 V		
Measurement current	≤ 680 μA			≤ 680 μA				≤ 680 μA		
Audible continuity	Yes			Yes				Yes		
Continuity threshold	adjustable from 1 to 599 Ω			adjustable from 1 to 999 Ω		40 Ω		adjustable from 1 to 999 Ω		40 Ω
Diode test (semiconductor junction)	Yes			Yes		No		Yes		No
Temperature (K type)	°C: -60.0 to +1,000.0 °C °F: -76.0 to +1,832 °F		-	°C: -60.0 to +1,000.0 °C °F: -76.0 to +1,832 °F		-		°C: -60.0 to +1,000.0 °C °F: -76.0 to +1,832 °F		-
Single-phase and total three-phase power values	Yes			Yes				Yes		
Active power	-	1 W to 600 kW		-	1 W to 1,000 kW			-	1 W to 2,000 kW	
Reactive power	-	1 var to 600 kvar		-	1 var to 1,000 kvar			-	1 var to 2,000 kvar	
Apparent power	-	1 VA to 600 kVA		-	1 VA to 1,000 kVA			-	1 VA to 2,000 kVA	
FP / DPF	-	Yes / No		-	Yes / No		Yes / Yes	-	Yes / No	
Harmonic analysis	-	Yes		-	Yes		Yes	-	Yes	
THD _r / THD _f	-	Yes / Yes		-	Yes / Yes		Yes / Yes	-	Yes / Yes	
Frequency analysis	-	No		-	No		25th order	-	No	
Phase rotation (2-wire method)	-	Yes		-	Yes		-	-	Yes	
Functions										
True InRush (Overcurrent measurement)	Yes			Yes				Yes		
Motor inrush	Yes			Yes				Yes		
Load change	Yes			Yes				Yes		
Hold	Yes			Yes				Yes		
Min. / Max.	Yes			Yes				Yes		
Peak+ / Peak-	-	Yes		-	Yes			-	Yes	
RELative ΔX / Differential ΔX/X (%)	-	Yes / Yes		-	Yes / Yes			-	Yes / Yes	
Auto Power Off	Yes			Yes				Yes		
Data recording	-			-		Yes		-		Yes
Communication interface	-			-		Bluetooth		-		Bluetooth
Electrical safety as per IEC 61010	600 V CAT IV			1,000 V CAT IV & CAT III				1,000 V CAT IV & CAT III		
Power supply	1 x 9 V LF22			4 x 1.5 V AA				4 x 1.5 V AA		
Dimensions & weight	78 x 222 x 42 mm / 340 g			92 x 272 x 41 mm / 600 g				111 x 296 x 41 mm / 640 g		



TO ORDER

F201	P01120921
F203	P01120923
F205	P01120925
F401	P01120941
F403	P01120943
F405	P01120945
F407	P01120947
F603	P01120963
F605	P01120965
F607	P01120967

STATE AT DELIVERY

	F201	F401	F205	F407
	F203	F403	F405	F607
	F603	F605		
①	x 1			
②		x 1	x 1	x 1
③		x 1	x 1	x 1
④			x 1	x 2
⑤	x 1	x 1		
⑥	x 1	x 1	x 1	x 1
⑦	x 1	x 1	x 1	x 1

+ Start-up Guide and Operating Manual (5 languages) on CD-Rom

For assistance and ordering

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