


# SPECIFICATIONS


MODELS	401	403	601	603
<b>ELECTRICAL</b>				
Measurement Method	TRMS (AC)	TRMS AC/DC	TRMS (AC)	TRMS AC/DC
Autorange	Yes	Yes	Yes	Yes
Automatic AC/DC Detection	-	Yes	-	Yes
A AC	0.15 to 1000A (1500A peak)		0.15 to 2000A (3000A peak)	
A DC	-	0.15 to 1500A	-	0.15 to 3000A
Best Accuracy	1% of Reading + 3 cts			
V AC	0.15 to 1000V (1400V peak)			
V DC	0.15 to 1400V			
Hz	Current: 5.0 to 2000Hz Voltage: 5.0 to 20.00kHz			
Ohm	0.1Ω to 99.99kΩ			
Open Circuit Voltage	≤ 8V			
Measurement Current	≤ 680μA			
Audible Continuity	Yes			
Continuity Threshold	Adjustable from 1 to 999Ω			
Diode Test (semiconductor junction)	Yes			
Temperature (K-type)	-76 to +1832°F (-60 to +1000°C)			
True InRush® (overcurrent measurement)	Yes			
Motor InRush	Yes			
Load Change	Yes			
Hold	Yes			
Min / Max	Yes			
RELative ΔX / Differential ΔX/X (%)	-	Yes / Yes	-	Yes / Yes
<b>MECHANICAL</b>				
Jaw Opening	1.89" (48mm)		2.36" (60mm)	
Display Resolution	10,000 cts			
Display Backlighting	Backlit LCD			
Measurements Displayed	x1			
Auto Power Off	Yes			
Electrical Safety as per IEC 61010	1000V CAT IV			
Power Supply	Four 1.5V AA			
Dimensions & Weight	10.70 x 3.62 x 1.61" (272 x 92 x 41mm) / 600g		11.65 x 4.37 x 1.61" (296 x 111 x 41mm) / 640g	

## CONSTRUCTION

### ▶ 400 Series




Typical one line digital display (Models 401, 403 & 405)




Typical three line digital display (Model 407)


### ▶ 600 Series



Typical one line digital display (Models 601, 603 & 605)



Typical three line digital display (Model 607)



Jaw assembly 1.89" (48mm)

Rotary range selector switch

Lever for jaw opening/closing


Function buttons:

- Hold
- Harmonics
- Backlight
- Min/Max
- Frequency
- Record\*

Backlit LCD display

COM (Black) - input jack

Positive (Red) + input jack



Jaw assembly 2.36" (60mm)

Rotary range selector switch

Lever for jaw opening/closing

Function buttons:

- Hold
- Harmonics
- Backlight
- Min/Max
- Frequency
- Record\*

Backlit LCD display

COM (Black) - input jack

Positive (Red) + input jack

# SELECTION CHART

MODELS	401	403	405	407	601	603	605	607
Display Resolution	10,000cts	10,000cts	10,000cts	10,000cts	10,000cts	10,000cts	10,000cts	10,000cts
Measurements Displayed	x1	x1	x1	x3	x1	x1	x1	x3
Display Backlighting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Measurement Method	TRMS	TRMS	TRMS	TRMS	TRMS	TRMS	TRMS	TRMS
Automatic AC/DC Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
A	AC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	DC	–	Yes	Yes	Yes	–	Yes	Yes
	AC+DC	–	–	Yes	Yes	–	Yes	Yes
V	AC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	DC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	AC+DC	–	–	Yes	Yes	–	Yes	Yes
Hz	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Resistance/ Audible Continuity	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Temperature (°C / °F)	Yes	Yes	–	–	Yes	Yes	–	–
Adapter Function	–	Yes	–	–	–	Yes	–	–
2-wire Phase Rotation	–	–	Yes	–	–	–	Yes	–
W, Var, VA, PF	–	–	Yes	Yes	–	–	Yes	Yes
DPF	–	–	–	Yes	–	–	–	Yes
THDf / THDr	–	–	Yes	Yes	–	–	Yes	Yes
Harmonics (0 to 25)	–	–	–	Yes	–	–	–	Yes
MIN / MAX	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Peak+ / Peak-	–	–	Yes	Yes	–	–	Yes	Yes
True InRush®	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ΔREL	–	Yes	Yes	–	–	Yes	Yes	–
Recording	–	–	–	Yes	–	–	–	Yes
PC software (included) Bluetooth	–	–	–	Yes	–	–	–	Yes