

FLUKE®

323/324 PLUS

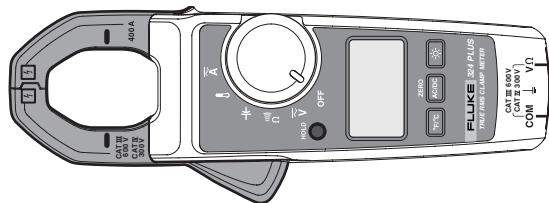
Clamp Meters

Quick Reference Guide

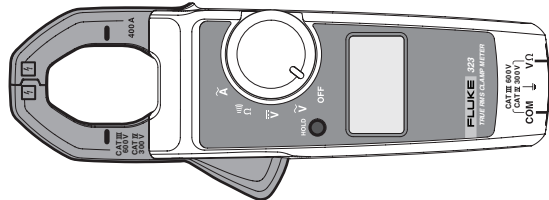
⚠ Warning

To prevent possible electrical shock, fire, or personal injury, read the “323/324 PLUS Safety Sheet” before you use this Product.

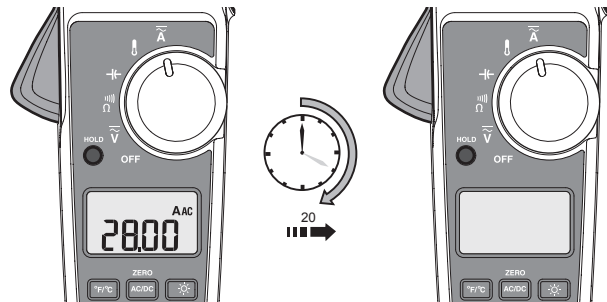
324 PLUS



323



OFF



323



+ ON =



+ HOLD =



=



324 PLUS



+ ON =



+ HOLD =



=



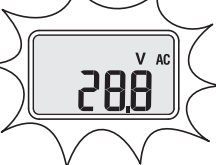
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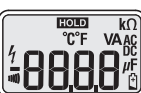


⌚

☀



+ ON =



+



=

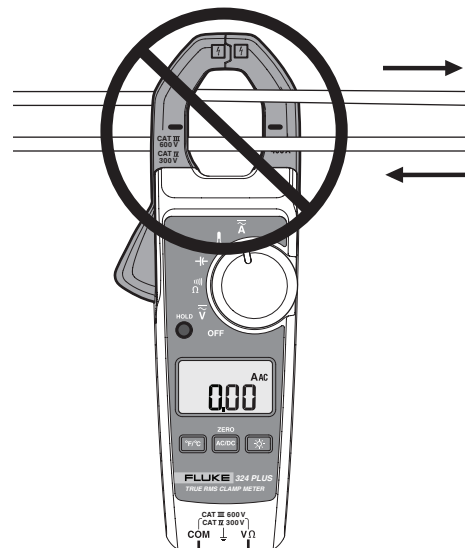
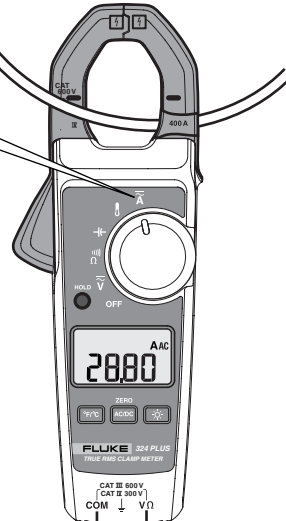


=



A

~ 323
~ 324 PLUS

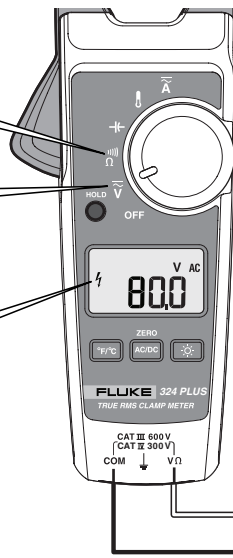


~ ~ ~

~

323 V dc - ~
323 V ac - ~
324 PLUS
V dc & V ac - ~

~ or ~ >30 V



Ω

Ω

Ω

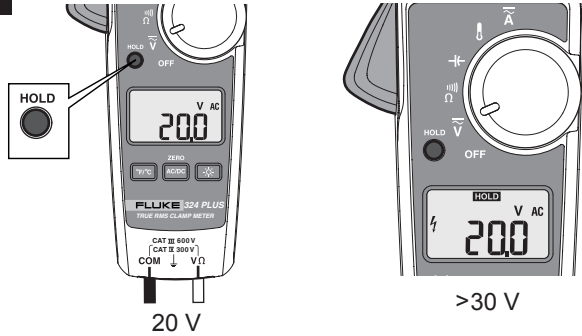
323 <70 Ω
324 PLUS <30 Ω



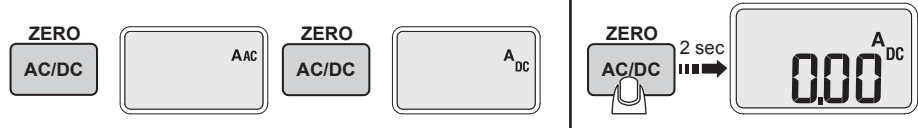
Ω



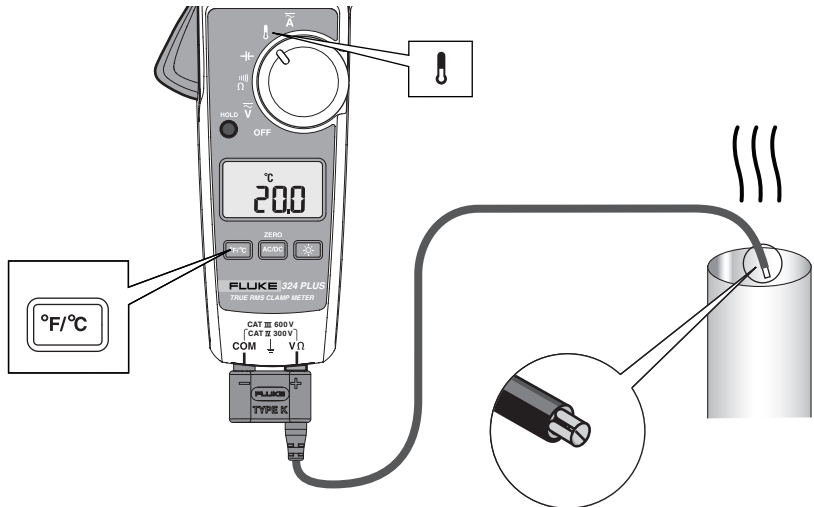
HOLD



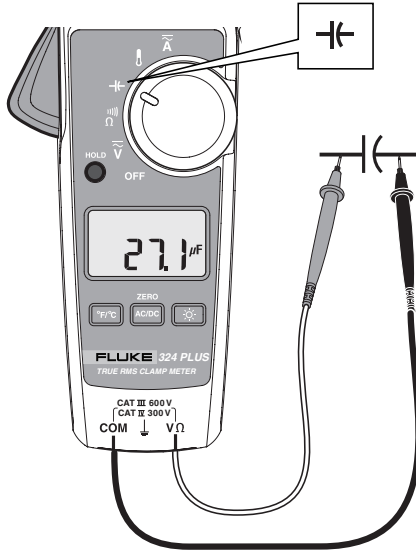
AC/DC & ZERO



324 PLUS



324PLUS



Specifications

Electrical Specifications

AC Current (Jaw)

Range	323	.....	400.0 A
	324 PLUS	...	(40.00, 400.0) A
Resolution	323	.....	0.1 A
	324 PLUS	...	(0.01, 0.1) A
Accuracy	323	.....	2.0 % ±5 digits (45 – 65 Hz)
	324 PLUS	...	2.5 % ±5 digits (65 – 400 Hz)

Note: Add 2 % for position sensitivity.

DC Current with Jaw (324 PLUS)

Range	.....	(40.00, 400.0) A
Resolution	.....	(0.01, 0.1) A
Accuracy	.....	2.0 % ±5 digits

AC Voltage

Range	.....	600.0 V
Resolution	.....	0.1 V
Accuracy (45 – 400 Hz)	..	1.5 % ±5 digits

DC Voltage

Range	.....	600.0 V
Resolution	.....	0.1 V
Accuracy	.....	1 % ±5 digits

Resistance

Range	323	.....	(400.0, 4000) Ω
	324 PLUS	...	(400.0, 4000, 40000) Ω
Resolution	.....	(0.1, 1, 10) Ω	
Accuracy	.....	1 % ±5 digits	
Continuity Beeper			
	323	.....	≤70 Ω
	324 PLUS	...	≤30 Ω

Capacitance (324 PLUS)

Range	.....	(100.0, 1000) μF
Resolution	.....	(0.1, 1) μF
Accuracy	.....	1 % ±4 digits

Contact Temperature (324 PLUS)

Range	.....	-10.0 °C to 400.0 °C
Resolution	.....	0.1 °C
Accuracy	.....	1 % ±8 digits

Note: Temperature uncertainty (accuracy) does not include error of the thermocouple probe.

Mechanical Specifications

Size (L x W x H)	.....	(207 x 75 x 34) mm
Weight	323	 265 g
	324 PLUS	 283 g

Environmental Specifications

Operating Temperature	.....	-10 °C to +50 °C
Storage Temp	.....	-30 °C to +60 °C
Operating Humidity	.....	Non Condensing (≤10 °C)
		≤90 % RH (at 10 °C to 30 °C)
		≤75 % RH (at 30 °C to 40 °C)
		≤45 % RH (at 40 °C to 50 °C)
		(Without Condensation)

Operating Altitude	.....	2000 meters
Storage Altitude	.....	12,000 meters
EMI, EMC		
Electromagnetic		
Electromagnetic Compatibility (EMC)		
International		

IEC 61326-1: Portable, Electromagnetic Environment, IEC 61326-2-2 CISPR 11: Group 1, Class A

Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself.

Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances. Emissions that exceed the levels required by CISPR 11 can occur when the equipment is connected to a test object.

Korea (KCC) Class A Equipment (Industrial Broadcasting & Communication Equipment)

Class A: Equipment meets requirements for industrial electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes.

USA (FCC) 47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103.

Temperature Coefficients ... Add 0.1 x specified accuracy for each degree C above 28 °C or below 18 °C

Safety IEC 61010-1, Pollution Degree 2
IEC 61010-2-032: CAT IV 300V / CAT III 600V
IEC 61010-2-033: CAT IV 300V / CAT III 600V

IP Rating IEC 60529: IP30, non-operating
Batteries 2 AAA, NEDA 24A, IEC LR03