

APPA 172, 173, 175, 177 AND FLUKE 374FC, 375FC, 376FC, 902FC COMPARISON TABLE

©APPA Advantages

	FLUKE 902 FC	FLUKE 374 FC	FLUKE 375 FC	FLUKE 376 FC	APPA 172	APPA 173	APPA 175	APPA 177
Features								
6000 counts digital	●	●	●	●	●	●	●	●
Backlight	●	●	●	●	Large white LED	Large white LED	Large white LED	Large white LED
Autoranging	●	●	●	●	●	●	●	●
Data Hold	●	●	●	●	Smart Data Hold	Smart Data Hold	Smart Data Hold	Smart Data Hold
True RMS on ACV	●	●	●	●	●	●	●	●
True RMS on ACA	●	●	●	●	●	●	●	●
PV Voltage Capability	N/A	N/A	N/A	N/A	N/A	2000DCV/1000ACV	N/A	N/A
Low Pass Filter	N/A	N/A	●	●	●	●	●	●
DCA Capability	N/A	600.0A	600.0A	1000.0A	N/A	600.0A	600.0A	600.0A – 1500A
ACA Capability	600.0A	600.0A	600.0A	1000.0A	600.0A	600.0A	600.0A	600.0A – 1500A
DCV Capability	0.1V~600V	0.1V~1000V	0.1V~1000V	0.1V~1000V	0.1V~1000V	0.1V~1000V	0.1V~1000V	0.1V~1000V
ACV Capability	0.1V~600V	0.1V~1000V	0.1V~1000V	0.1V~1000V	0.1V~1000V	0.1V~1000V	0.1V~1000V	0.1V~1000V
Frequency Capability	N/A	N/A	5Hz~500Hz	5Hz~500Hz	100.0Hz~10KHz	100.0Hz~10KHz	100.0Hz~10KHz	100.0Hz~10KHz
Ohm Capability	0.1Ω~60KΩ	0.1Ω~60KΩ	0.1Ω~60KΩ	0.1Ω~60KΩ	600.0Ω~600.0KΩ	600.0Ω~600.0KΩ	600.0Ω~600.0KΩ	600.0Ω~600.0KΩ
Diode Test	N/A	N/A	N/A	N/A	1.500V	1.500V	1.500V	1.500V
Micro Ampere Capability	200μDCA	N/A	N/A	N/A	4000μA DC	N/A	N/A	N/A
Capacitance Capability	0.1μF~1000μF	0.1μF~1000μF	0.1μF~1000μF	0.1μF~1000μF	100.0μF~1000μF	100.0μF~1000μF	100.0μF~1000μF	100.0μF~1000μF
Temperature Capability	-40.0°C~400°C	N/A	N/A	N/A	-40.0°C~400°C	-40.0°C~400°C	N/A	N/A
Continuity Check/Beeper	●	●	●	●	●	●	●	●
MIN/MAX/AVG	MIN/MAX	●	●	●	●	●	●	●
VoltSeek™ non contact voltage detection	N/A	N/A	N/A	N/A	●	●	●	●
Inrush Current	N/A	●	●	●	●	●	●	●
Max Conductor Size	N/D	34mm	34mm	34mm	37mm	37mm	37mm	42mm
Flex usable	N/A	2500A	2500A	2500A	3000A	3000A	3000A	3000A
ContiVision™ visible continuity beeper	●	●	●	●	●	●	●	●
LoZ prevent ghost voltage	N/A	N/A	N/A	N/A	●	N/A	●	●
Wireless Connect	●	●	●	●	Bluetooth Ver. 4.0	Bluetooth Ver. 4.0	Bluetooth Ver. 4.0	Bluetooth Ver. 4.0
Data Logging	●	●	●	●	1000 recordings	1000 recordings	1000 recordings	1000 recordings
Safety Standard	CAT IV 300V/CAT III 600V	CAT IV 600V/CAT III 1000V	CAT IV 600V/CAT III 1000V	CAT IV 600V/CAT III 1000V	CAT IV 600V/CAT III 1000V	CAT IV 600V/CAT III 1000V	CAT IV 600V/CAT III 1000V	CAT IV 600V/CAT III 1000V
Battery Requirement	NEDA 15A/IEC LR6, 1.5V*2	NEDA 15A/IEC LR6, 1.5V*2	NEDA 15A/IEC LR6, 1.5V*2	NEDA 15A/IEC LR6, 1.5V*2	NEDA 15A/IEC LR6, 1.5V*2	NEDA 15A/IEC LR6, 1.5V*2	NEDA 15A/IEC LR6, 1.5V*2	NEDA 15A/IEC LR6, 1.5V*2
DCA Zeroing	N/A	●	●	●	●	●	●	●
Torch light	N/A	N/A	N/A	N/A	●	●	●	●
Temperature Probe included	●	●	●	●	●	●	N/A	N/A
Solar photovoltaic electrical safety test	N/A	N/A	N/A	N/A	N/A	●	N/A	N/A
Designated PV Test Leads included	N/A	N/A	N/A	N/A	N/A	●	N/A	N/A

Specifications	(All at 23°C±5°C < 80%RH)	(All at 23°C±5°C < 80%RH)	(All at 23°C±5°C < 80%RH)	(All at 23°C±5°C < 80%RH)	(All at 23°C±5°C < 80%RH)	(All at 23°C±5°C < 80%RH)	(All at 23°C±5°C < 80%RH)	(All at 23°C±5°C < 80%RH)
DCV Basic Accuracy	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(0.7%+2d)	±(0.7%+2d)	±(0.7%+2d)	±(0.7%+2d)
ACV Basic Accuracy	±(1.5%+5d)	±(1.5%+5d)	±(1.5%+5d)	±(1.5%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)
Auto-V LoZ Basic Accuracy	N/A	N/A	N/A	N/A	±(2.0%+5d)	N/A	±(2.0%+5d)	±(2.0%+5d)
PV Voltage Basic Accuracy	N/A	N/A	N/A	N/A	N/A	±(1.0%+3d)	N/A	N/A
ACA Flexible Basic Accuracy	N/A	±(3.0%+5d)	±(3.0%+5d)	±(3.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)
Ω Basic Accuracy	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(1.0%+5d)	±(0.9%+2d)	±(0.9%+2d)	±(0.9%+2d)	±(0.9%+2d)
Diode Basic Accuracy	N/A	N/A	N/A	N/A	±(0.9%+2d)	±(0.9%+2d)	±(0.9%+2d)	±(0.9%+2d)
DCuA Basic Accuracy	±(1.0%+4d)	N/A	N/A	N/A	±(1.0%+3d)	N/A	N/A	N/A
ACuA Basic Accuracy	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DCA Basic Accuracy	N/A	±(2.0%+5d)	±(2.0%+5d)	±(2.0%+5d)	N/A	±(2.0%+5d)	±(2.0%+5d)	±(2.0%+5d)
ACA Basic Accuracy	±(2.0%+5d)	±(2.0%+5d)	±(2.0%+5d)	±(2.0%+5d)	±(2.0%+5d)	±(2.0%+5d)	±(2.0%+5d)	±(2.0%+5d)
Capacitance Basic Accuracy	±(1.0%+4d)	±(1.0%+4d)	±(1.0%+4d)	±(1.0%+4d)	±(1.9%+2d)	±(1.9%+2d)	±(1.9%+2d)	±(1.9%+2d)
Frequency Basic Accuracy	N/A	N/A	±(0.5%+5d)	±(0.5%+5d)	±(0.3%+3d)	±(0.3%+3d)	±(0.3%+3d)	±(0.3%+3d)
°C/F Basic Accuracy	±(1.0%+8d)	N/A	N/A	N/A	±(1.0%+20d)	±(1.0%+20d)	N/A	N/A
Operating Temperature	-10°C ~ 50°C, 80% R.H.	-10°C ~ 50°C, 80% R.H.	-10°C ~ 50°C, 80% R.H.	-10°C ~ 50°C, 80% R.H.	-10°C ~ 50°C, 80% R.H.	-10°C ~ 50°C, 80% R.H.	-10°C ~ 50°C, 80% R.H.	-10°C ~ 50°C, 80% R.H.
Storage Temperature	-30°C ~ 60°C, 80% R.H.	-40°C ~ 60°C, 80% R.H.	-40°C ~ 60°C, 80% R.H.	-40°C ~ 60°C, 80% R.H.	-20°C ~ 60°C, 80% R.H.	-20°C ~ 60°C, 80% R.H.	-20°C ~ 60°C, 80% R.H.	-20°C ~ 60°C, 80% R.H.
Temperature coefficient	0.1 x (spec. Accuracy)/°C, <18°C, >28°C	0.1 x (spec. Accuracy)/°C, <18°C, >28°C	0.1 x (spec. Accuracy)/°C, <18°C, >28°C	0.1 x (spec. Accuracy)/°C, <18°C, >28°C	0.2 x (spec. Accuracy)/°C, <18°C, >28°C	0.2 x (spec. Accuracy)/°C, <18°C, >28°C	0.2 x (spec. Accuracy)/°C, <18°C, >28°C	0.2 x (spec. Accuracy)/°C, <18°C, >28°C
Safety	IEC 61010-1: CAT IV 300V/CAT III 600V	IEC 61010-1: 600 V CAT IV/1000V CAT III	IEC 61010-1: 600 V CAT IV/1000V CAT III	IEC 61010-1: 600 V CAT IV/1000V CAT III	IEC 61010-1: 600 V CAT IV/1000V CAT III	IEC 61010-1: 600 V CAT IV/1000V CAT III	IEC 61010-1: 600 V CAT IV/1000V CAT III	IEC 61010-1: 600 V CAT IV/1000V CAT III
Pollution Degree	II	II	II	II	II	II	II	II
Dimension (mm)	230 x 84 x 46	248 x 85 x 45	248 x 85 x 45	248 x 85 x 45	240 x 88 x 51	240 x 88 x 51	240 x 88 x 51	254 x 88 x 51

Specifications subject to change without notice

N/A: Not Available

ND: Not Defined

• FLUKE is a registered trade mark of Fluke Corp.

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