

Fluke 170 Series to 233 Upgrade

Fluke general purpose multimeters.

The industry standard for precision, ease-of-use, safety and reliability.

Fluke 175 True-rms Multimeter



Fluke 177 True-rms Multimeter with backlight



Fluke 179 True-rms Multimeter with backlight and temperature



Move up to the Fluke 233.

Everything from the 170 Series, plus the cost savings and productivity gains of a wireless remote display.

Fluke 233 Remote Display True-rms Multimeter

The Fluke 233 Wireless Remote Display Digital Multimeter with removable magnetic display allows you to be 30 feet away from the measurement point. Perfect for those difficult measurements where display viewing is challenging.



Now you can work in two places at once. Or have a single technician do a job that used to take two people.

Connect the meter to the test point, then take the removable display to the control panel. View changing electrical measurements in real time as you operate the controls.

Place the removable display where you can see it and then connect the meter where it is most convenient. You can now take measurements in hard-to-reach places, where machines or panels are physically separated from switches, or in user prohibited areas such as clean rooms or hazardous areas.



Fluke 233 – Fluke 170 Series comparison table

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Models	Remote Display Digital Multimeter Fluke 233	True-rms Multimeter 179	True-rms Multimeter 177	True-rms Multimeter 175
Basic specifications				
Counts	6000	6000	6000	6000
True-rms readings	ac	ac	ac	ac
Basic dc accuracy	0.25 %	0.09 %	0.09 %	0.15 %
Auto/manual ranging	•	•	•	•
Measurements				
Voltage ac/dc	1000 V	1000 V	1000 V	1000 V
Current ac/dc	10 A	10 A	10 A	10 A
mA measurements ac/dc		•	•	•
Resistance	40 MΩ	50 MΩ	50 MΩ	50 MΩ
Frequency	50 kHz	100 kHz	100 kHz	100 kHz
Capacitance	10,000 μF	10,000 μF	10,000 μF	10,000 μF
Temperature	(+) 400 °C	(+) 400 °C		
Continuity/diode test	•	•	•	•
Display				
Removable wireless remote display	•			
Backlight	•	•	•	
Diagnostics and data				
Min-Max recording	•	•	•	•
Display Hold	•	•	•	•
Other features				
Overmolded case, integrated holster	•	•	•	•
Closed case calibration	•	•	•	•
Separate battery door	•	•	•	•
Automatic power off	•	•	•	•
Low battery indication	•	•	•	•
Electrical safety				
Dangerous voltage indication	•	•	•	•
EN61010-1 CAT III	1000 V	1000 V	1000 V	1000 V
EN61010-1 CAT IV	600 V	600 V	600 V	600 V

Function	Fluke 233	170 Series	Fluke 233 Highlights
Display	Wireless	Fixed	Provides added flexibility in common measurement scenarios. Allows you to place the removable display where you can see it and then put the meter where it is convenient for you.
Temperature	(+) 400°C	(+) 400°C (179 Only)	Same temperature measurement capability as the 179. Built in thermometer conveniently allows you to take temperature readings without having to carry a separate instrument.
Backlight	Yes (bright white backlight)	179 and 177 Only (Green)	The Fluke 233 has larger display digits than the 170 Series and unlike the 179 and 177 it has a bright white backlight for easier reading in low-light environments.
Safety rating	CAT IV 600 / CAT III 1000 V	CAT IV 600 / CAT III 1000 V	The Fluke 233 has the same safety rating for use in 600 V CAT IV and 1000 V CAT III environments, as the 170 Series. Meaning it has been engineered to withstand voltage spikes of 8 kilovolts and help protect users against the hazards of arc flash.
Included accessories	Manual, Batteries, TL75 Test leads, Alligator clips, 80-BK-A Temperature probe	Manual, Batteries, TL75 test leads (all 17x). 80-BK-A Temperature probe (179 Only)	The Fluke 233 includes CAT IV 600 V, CAT III 1000 V, 10 A rating; slide-on insulated alligator clips; Type K thermocouple with standard shrouded banana jack.