

Sales conversion guide

Fluke 27 II and 28 II DMMs

Move up to the Fluke 27 II/28 II Industrial Multimeters:

Everything from the 80 Series, plus a waterproof and dustproof case for use in harsh environments.



**Fluke 83V
Industrial
DMM**



**Fluke 87 V
True RMS
Industrial DMM**



**Fluke
27 II/28 II
Industrial Multimeter**



The NEW Fluke 27 II and 28 II digital multimeters define a new standard for operating in harsh conditions with the features and accuracy to troubleshoot most electrical problems.

Both meters have IP 67 waterproof and dustproof cases, completely sealed for use in harsh environments, and are designed to withstand a three (3) meter drop to a concrete floor (with holster).

The Fluke 27 II and 28 II have MSHA approvals (pending), and provide an extended operating temperature range of -15 °C to +55 °C (5 °F to 131 °F, -40 °C for up to 20 minutes) and 95 % humidity.

The Fluke 28 II offers a hi-resolution 20,000 count display mode, plus true-rms ac voltage and current for accurate measurements on non linear signals.



Durable/waterproof



Dirt and dust



Temperature range



Backlight



Water and humidity



Shock and vibration



Military spec



Tested-tough buttons



CAT III/CAT IV rating

Fluke Corporation's most rugged industrial multimeter

Fluke 80 Series to 27 II / 28 II comparison table

Models	87 V	Water and chemical resistant 28 II	83V	Water and chemical resistant 27 II
Basic features		NEW		NEW
Counts	20000	20000	6000	6000
True-rms readings	ac voltage/current	ac voltage/current		
Basic dc accuracy	0.05 %	0.05 %	0.1 %	0.1 %
Wide bandwidth	20kHz	20 kHz	5 kHz	30 kHz
Auto/manual ranging	• / •	• / •	• / •	• / •
Digits	4-1/2	4-1/2	3-1/2	3-1/2
Measurements				
Voltage ac/dc	1000V	1000 V	1000 V	1000 V
Current ac/dc	10 A	10 A	10 A	10 A
Resistance	50 MΩ	50 MΩ	50 MΩ	50 MΩ
Frequency	200 kHz	200 kHz	200 kHz	200 kHz
Capacitance	10,000 μF	10,000 μF	10,000 μF	10,000 μF
Temperature	(+) 1090 °C	(+) 1090 °C		
Conductance	60 nS	60 nS	60 nS	60 nS
Duty cycle/pulse width	• / –	• / –	• / –	• / –
Continuity/diode test	•	•	•	•
Motor Drive (ASD) measurements	•	•		
Microamps	•	•	•	•
Display				
Analog bargraph	•	•	•	•
Backlight	Two level	Two level	Two level	Two level
Min-Max recording	• / –	• / –	• / –	• / –
Fast min-max	250 μs	250 μs		
Display hold/auto (touch) hold	• / •	• / •	• / •	• / •
Relative reference	•	•	•	•
Other features				
Removable holster	•	•	•	•
Closed case calibration	•	•	•	•
Separate battery/fuse access	• / –	• / •	•	•
Completely sealed/watertight		•		•
Automatic power off	•	•	•	•
Low battery indication	•	•	•	•
Operating temperature range	-20 °C, +55 °C	-40 °C, +55 °C	-20 °C, +55 °C	-40 °C, + 55 °C
Warranty and electrical safety				
Warranty (years)	Lifetime	Lifetime	Lifetime	Lifetime
Input alert	•	•	•	•
Dangerous voltage indication	•	•	•	•
IP rating	IP 30	IP 67	IP 30	IP 67
EN61010-1 CAT III	1000 V	1000 V	1000 V	1000 V
EN61010-1 CAT IV	600 V	600 V	600 V	600 V