



## Fluke 27 II, 28 II and 28 II Ex Digital Multimeters

### Designed for tough work environments

The 27 II, 28 II and 28 II Ex Digital Multimeters all have IP67 waterproof and dustproof rating. They also have an extended operating temperature range of -15 °C to +55 °C (5 °F to 131 °F) and 95% humidity. These meters offer unique functions for accurate voltage and frequency measurements on adjustable speed motor drives and electrically noisy equipment (28 II and 28 II Ex). A built in thermometer allows you to take temperature readings without having to carry a separate instrument.

- Resistance and continuity. Relative mode to remove test lead resistance from low ohms measurements
- MSHA, CSA and TÜV approvals (27 II, 28 II)
- Intrinsically safe certifications from the world's leading certification bodies (28 II Ex, pg 67)
- Tested to withstand a 3 m (10 ft) drop
- Wide 1000 V measurement range
- True-rms ac voltage and current for accurate measurements on non-linear signals (28 II, 28 II Ex)
- Low pass filter (28 II, 28 II Ex)
- Average responding voltage and current measurements (27 II)
- 10 A continuous (20 A for 30 seconds)
- Frequency and capacitance
- Record signal fluctuations using the Min/Max function



### Specifications

	27 II	28 II	28 II Ex
Volts ac, dc	1000 V		
Amps ac, dc	10A		
Resistance	0.1 Ω to 50 MΩ		
Display counts	6000	6000/19,999	6000/19,999
Temperature	-200 °C to +1090 °C		-200 °C to +1090 °C
Low pass filter (measurement on VSD's)	•		•
Safety rating (EN 61010)	CAT IV 600 V, CAT III 1000 V		
Measurement method	Avg. responding	True-rms	True-rms
Power	Three AA batteries		
Battery life	800 hours		400 hours
Dimensions (DxWxH)	6.35 cm x 10.0 cm x 19.81 cm (2.5 in x 3.93 in x 7.8 in)		
Weight with holster	698.5 g (1.54 lb)		

### Ordering information

Models	Included accessories
FLUKE-28-II Industrial Multimeter	Test leads, temperature probe, alligator clips, batteries, holster, information pack
FLUKE-28-II EX Intrinsically Safe Industrial Multimeter See page 67 for more information	Test leads, temperature probe, alligator clips, batteries, holster, information pack
FLUKE-27-II Industrial Multimeter	Test leads, temperature probe, alligator clips, batteries, holster, information pack

### Recommended accessories

<p><b>TLK-225 SureGrip™ Master Accessory Set</b></p>	<p><b>PV350 Pressure-Vacuum Module</b></p>	<p><b>TL225 Stray Voltage Adapter Test Lead Kit</b></p>	<p><b>C550 Tool Bag</b></p>
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# Fluke cases and holsters

A premium meter deserves a premium case

## Soft cases

### CAMO-C25 Camouflage Carrying Case

- High quality 1000D fabric
- Dimensions (HxWxD): 20.3 x 12.1 x 4.6 cm (8 x 4.8 x 1.8 in)



### CAMO-C37 Camouflage Carrying Case

- High quality 1000D fabric
- Dimensions (HxWxD): 26.5 x 9 x 3 cm (10.5 x 3.5 x 1.2 in)



### C75 Accessory Case

- Zippered carrying case
- Dimensions (HxWxD): 17.9 x 10.3 x 2.6 cm (7 x 4 x 1 in)



### C50 Meter Case

- Case with inside pocket, belt loop and inside meter strap
- Dimensions (HxWxD): 19.2 x 9 x 3.8 cm (7.56 x 3.5 x 1.5 in)



### C25 Large Soft Case for DMMs

- Case with padding and inside pocket
- Dimensions (HxWxD): 21.8 x 12.8 x 6.4 cm (8.6 x 5 x 2.52 in)



### C90 Soft Case for DMMs

- Case with inside pocket and belt loop
- Dimensions (HxWxD): 20.5 x 9 x 7.2 cm (8 x 3.5 x 2.8 in)



### C35 Soft Carrying Case

- Made of durable polyester 600D
- Dimensions (HxWxD): 22 x 14 x 6.5 cm (8.7 x 5.5 x 2.6 in)



### C23 Soft Carrying Case

- Case with inside pocket and belt loop
- Dimensions (HxWxD): 22.5 x 9.5 x 5.8 cm (8.9 x 3.75 x 2.3 in)



### C280 Soft Case

- Made of durable polyester 600D
- Dimensions (HxWxD): 23 x 18.5 x 6.5 cm (9 x 7.3 x 2.6 in)



### C115 Soft Carrying Case

- Made of durable polyester 600D
- Dimensions (HxWxD): 24 x 20.5 x 7.5 cm (9.5 x 8 x 3 in)



### C116 Soft Carrying Case

- Made of durable polyester 600D
- Dimensions (HxWxD): 24 x 23 x 6.5 cm (9.5 x 9 x 2.6 in)



### C150 Soft Carrying Case

- High quality 1000D fabric
- Dimensions (HxWxD): 29.8 x 11.4 x 5.6 cm (11.75 x 4.5 x 2.2 in)



### C781 Meter Case

- Made of durable polyester 600D
- Dimensions (HxWxD): 26.9 x 14.1 x 9 cm (10.6 x 5.6 x 3.5 in)



### C33 Soft Carrying Case

- Case with inside pocket and belt loop
- Dimensions (HxWxD): 28 x 11.5 x 5.5 cm (11 x 4.5 x 2.2 in)



### C789 Meter and Accessory Case

- Made of durable polyester 600D
- Dimensions (HxWxD): 30.8 x 25.6 x 7.7 cm (12 x 10 x 3 in)



### C43 Soft Carrying Case

- Made of durable polyester 600D
- Dimensions (HxWxD): 31.8 x 23 x 9 cm (12.5 x 9.1 x 3.5 in)



### C550 Tool Bag

- Made of ballistic cloth with heavy-duty hardware
- Dimensions (HxWxD): 33.3 x 51.3 x 23.1 cm (13 x 20.2 x 9.1 in)



### C345 Soft Case

- Made of durable polyester 600D
- Dimensions (HxWxD): 36 x 20 x 24 cm (14 x 8 x 9.5 in)



# Fluke cases and holsters

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## Cases and holsters selection guide

	113/114/115/116/117	27 II/28 II	77-4/175/177/179	83/87V	233	287/289	8845A/8846A/8808A	120/190/22X Series	51-1/52-II/53-II B/54-II B	561/566/568	63/66/68	323/324/325	355	365/373/902	374 FC/375FC /376 FC/381	705/707	712/714/715/717/72X Series	718/719	753/754	787/789	T+/T+PRO	T5-600/T5-1000	1503/1507/1577/1587 FC
C12A	•															•							
C23	•																						
Camo-C25	•	•	•	•	•	•			•											•	•		•
C25	•	•	•	•	•	•																	•
C33				•																			
C35				•	•																		
Camo-C37														365	•						•	•	•
C43				•	•	•		•		•					•								
C50	•																				•		
C75	The C75 is designed to hold test leads, probes, clips and other required accessories																						
C90	•		•						•														•
C100		•	•	•						•							71X			787			
C101	•	•	•	•	•	•		•	•														•
C115/C116	•	•	•	•	•	•		•						365			•	•			•		•
C125		•	•	83V	•																		
C150															•	•					•	•	
C280	•	•	•	•	•	•		•	•								•	•	•		•	•	
C345	The perfect case for carrying a wide range of Fluke handheld test tools and accessories																						
C510			•					•							•	•					787		
C520A																						•	•
C550/C1600	The C550 and C1600 are large enough to hold accessories and multiple test tools																						
C781					•	•											72X	•	•	789			•
C789						•								•	365								•
C799																				•			
C800			•	•													71X				787		
CXT80		•	•	•	•												72X						
CXT170	•		•														71X						•
CXT280						•															•		
CXT1000	The CXT1000 is designed to store, carry, and protect a wide range of Fluke test tools and accessories																						
H15																					•	•	

