



Intrinsically safe digital multimeter

Fluke

28 II EX ANZEx/IECEX

- CAT III 1000 V / CAT IV 600 V
- Dustproof, waterproof (IP67)
- Measures up to 1000V / 10A (outside of the Ex-hazardous area)
- Min/Max/Avg and Peak capture
- Low pass filter for accurate measurements on variable speed motor drives
- 4½" digit display (20,000 counts) with backlight
- Input Alert

Rugged and intrinsically safe multimeter



Technical Data

General specifications

Measuring range		
DC voltage		0.1 mV to 1000 V Accuracy: $\pm (0.05 \% + 1)$
AC voltage		0.1 mV to 1000 V Accuracy: $\pm (0.7 \% + 4)$
DC current		0.1 μ A to 10 A Accuracy: $\pm (0.2 \% + 4)$
AC current		0.1 μ A to 10 A Accuracy: $\pm (1.0 \% + 2)$
Resistor		0.1 Ω to 50 M Ω Accuracy: $\pm (0.2 \% + 1)$
Conductivity		60.00 nS Accuracy: $\pm (1.0 \% + 10)$
Diode test		2.0 V Accuracy: $\pm (2.0 \% + 1)$
Duty cycle		0.0 % to 99.9 % Accuracy: Within $\pm (0.2 \% \text{ per kHz} + 0.1 \%)$ for rise times $< 1 \mu$ s
Display count rate		6,000 counts / 19,999 counts in high-resolution
Capacitance		10 nF to 9999 μ F Accuracy: $\pm (1.0 \% + 2)$
Frequency		0.5 Hz to 199.99 kHz Accuracy: $\pm (0.005 \% + 1)$
Temperature		-200 $^{\circ}$ C to +1090 $^{\circ}$ C (-328 $^{\circ}$ F to +1994 $^{\circ}$ F) Accuracy: $\pm (1.0 \% + 10) \text{ }^{\circ}$ C [$\pm (1.0 + 10) \text{ }^{\circ}$ F]
Error: % of reading + number of digits		

Indicators/operating means

Display	LC display with backlight
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Electrical specifications

Battery type	3x AAA, type-proofed
Operating duration	approx. 400 h

Ambient conditions

Ambient temperature	Different temperature ranges result from the type-tested batteries used.
Storage temperature	-40 ... 60 $^{\circ}$ C (-40 ... 140 $^{\circ}$ F) , without batteries

Mechanical specifications

Degree of protection	IP67
Mass	approx. 690 g

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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PEPPERL+FUCHS

Technical Data

Dimensions		approx. 210 mm x 100 mm x 64 mm (with holster)
International approvals		
IECEX approval		
IECEX certificate		IECEX PTB 11.0080X
IECEX marking		Ex ia IIC T4 Gb Ex ia I Ma
ANZEx approval		
ANZEx certificate		ANZEx 24.3004X
ANZEx marking		Ex ia I Ma Ex ia IIC T4 Gb
General information		
Note		Remarks: Measurement inside the hazardous area: $U_i \leq 65V$, $I_i \leq 5A$ Measurement outside the hazardous area: $U_i \leq 1000V$, $I_i \leq 10A$
Scope of delivery		Fluke 28 II EX Ex-holster Alligator clips AC175 Test leads TL175 Batteries Documentation

Accessories

Accessories for this product can be found on the internet at www.pepperl-fuchs.com.

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