Fluke 28 II Ex

Data Sheet	
Ambient Temperature	Different temperatureranges for T_{amb} are fixed by the type approved batteries.
Storage Temperature	-40 °C … +60 °C without battery
Power Supply	3 x AAA (type-tested)
Operating Time	Approx. 400 hours
Dimensions	Approx. 210 mm x 100 mm x 64 mm (with holster)
Weight	Approx. 690 g
Protection Rating	IP67
Specification	
DC voltage	Range: 0.1 mV to 1000 V Accuracy: ± 0.05 % + 1
Ac voltage	Range: 0.1 mV to 1000 V Accuracy: ± 0.7 % + 4
DC current	Range: 0.1 µA to 10 A Accuracy: ± 0.2 % + 4
AC current	Range: 0.1 µA to 10 A Accuracy: ± 1.0 % + 2
Resistance	Range: 0.1 Ω to 50 MΩ Accuracy: ± (0.2 % + 1)
Conductance	Range: 60.00 nS Accuracy: ± (1.0 % + 10)
Diode test	Range: 2.0 V Accuracy: ± (2.0 % + 1)
Duty cycle	Range: 0.0 % to 99.9 % Accuracy: Within ± (0.2% per kHz + 0.1%) for rise times < 1 µs
Display counts	6000 counts / 19.999 counts in high resolution mode

Capacitance	Range: 10 nF to 9999 µF Accuracy: ± (1.0 % + 2)
Frequency	Range: 0.5 Hz to 199.99 kHz Accuracy: ± (0.005 % + 1)
Temperature	Range: -200 °C to +1090 °C (-328 °F to +1994 °F) Accuracy: ± (1.0 % + 10) °C [± (1.0% + 10) °F]
ATEX (Europe)	II 2 G Ex ia IIC T4 Gb I M1 Ex ia I Ma
IECEx (International)	Ex ia IIC T4 Gb Ex ia I Ma
NEC / CEC	Class I, II, III, Division 1, Grps A, B, C, D Class 1 Zone 1 AEx ia IIC T4 Ex ia IIC T4

Error: % of reading + number of digits

Remarks

Measurement inside the Ex-hazardous area:
Ui ≤ 65 V, Ii ≤ 5 A

Measurement outside the Ex-hazardous area:
Ui ≤ 1000 V, Ii ≤ 10 A