





28II EX

ROBUST AND INTRINSICALLY SAFE

CERTIFICATION	
ATEX 	<ul style="list-style-type: none"> II 2 G Ex ia IIC T4 Gb I M1 Ex ia I Ma
IECEX 	<ul style="list-style-type: none"> Ex ia IIC T4 Gb Ex ia I Ma
NEC/CEC 	<ul style="list-style-type: none"> Class I, Division 1, Groups A,B,C,D Class I Zone 1 AEx ia IIC T4 Ex ia IIC T4
EAC 	<ul style="list-style-type: none"> P0 Ex ia I Ma X 1Ex ia IIC T4 Gb X IP6X

CERTIFICATION	
PCEC 	Ex ia IIC T4 Gb
INMETRO 	Ex ia IIC T4 Gb
ANZEX 	Ex ia I Ma

WATER AND DUSTPROOF

The 28 II EX carries the most important Ex-certifications and is also tested for drops of up to 3 meters. Additionally it is waterproof and dustproofed (IP67). Therefore, the 28 II EX DMM can survive the roughest treatment in the harshest environments.



True RMS

Multimeter **FLUKE 28II EX** FOR ZONE 1

FEATURES & FUNCTIONS

- 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
- Input alert
- 4½" digit display (20,000 counts) with backlight

APPROVALS

The Fluke 28 II EX is available with different approvals - from ATEX to IECEx to NEC, so that the corresponding versions enable worldwide use on different continents in potentially explosive environments.

This makes the multimeter a perfect example of portable, intrinsically safe measurement instruments – not least of all due to the numerous features unique to this kind of measurement devices.



EXTREME RUGGEDNESS

- Completely sealed IP67 rated case
- Water and dustproof
- Meets IEC Overvoltage Electrical Safety Standard EN 61010-1:2001:CAT III 1000V and CAT IV 600V

EASY TO USE

- Backlit keypad for extra visibility in poor lit areas
- Large display digits and 2-level backlight
- Long battery life: 400 hours typical (without backlight)










HANDLING BENEFITS

- Only one DMM is needed because of the safe and compact solution which allows safe measurement both inside and outside (max. 10A / 1000V) the Ex-hazardous area
- A separate battery compartment makes it easy to change batteries on fuses

28II EX

CAN BE USED WORLDWIDE

ACCESSORIES

ARTICLE NO.	PRODUCT DESCRIPTION	
481761	Replacement protection module 440mA f. 28 II EX	
484495 	Temperature sensor 80PK-27	
483770 	AC Clamp i400 (400A)	
482713 	Leather case with strap	
482770 	TL175 Twist Guard Test Leads	
	Various Calibration on Request	

TECHNICAL DATA	
Ambient temperature	Different temperature ranges for T _{amb} are fixed by the type approved batteries.
Storage temperature	-40°C ... +60°C without batteries
Power supply	3 x AAA, type-proofed
Operating time	approx. 400 h
Dimensions	approx. 210 x 100 x 64 mm (with holster)
Weight	approx. 690 g
Protective rating	IP67

STANDARD DELIVERY

- Fluke 28 II EX
- Ex-holster
- Alligator clips
- Test leads TL175
- Batteries
- Documentation
- CD-ROM

SPECIFICATION		
DC voltage	Range: Accuracy:	0.1 mV to 1000 V ± 0.05 % + 1
AC voltage	Range: Accuracy:	0.1 mV to 1000 V ± 0.7 % +4
DC current	Range: Accuracy:	0.1 µA to 10 A ± 0.2 % + 4
AC current	Range: Accuracy:	0.1 µA to 10 A ± 1.0 % + 2
Resistance	Range: Accuracy:	0.1 Ω to 50 MΩ ± [0.2 % + 1]
Conductance	Range: Accuracy:	60.00 nS ± (1.0 % + 10)
Diode test	Range: Accuracy:	2.0 V ± [2.0 % + 1]
Duty cycle	Range: Accuracy:	0.0 % to 99.9 % 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: Accuracy:	10 nF to 9999 µF ± (1.0 % + 2)
Frequency	Range: Accuracy:	0.5 Hz to 199.99 kHz ± (0.005 % + 1)
Temperature	Range: Accuracy:	-200 °C to +1090 °C [-328 °F to +1994 °F] ± (1.0 % + 10) °C [± (1.0 % + 10) °F]

Error: % of reading + number of digits

REMARKS

Measurement inside the Ex-hazardous area:
U_i ≤ 65V, I_i ≤ 5A

Measurement outside the Ex-hazardous area:
U_i ≤ 1000V, I_i ≤ 10A