

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
TR CU 	Available soon!

CERTIFICATION	
PCEC 	Ex ia IIC T4 Gb
INMETRO Segurança 	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 dustproof (IP67). Therefore, the 28 II EX DMM can survive the roughest treatment in the harshest environments.



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
- 4 1/2" digit display (20,000 counts) with backlight

APPROVALS

The Fluke 28II EX combines a large number of worldwide approvals for use in potentially explosive environments – from ATEX to IECEx and NEC – meaning that it is no longer necessary to deploy and integrate different equipment on different continents.

This makes the multimeter a perfect example of portable, intrinsically safe measuring instruments – not least of all due to the numerous features unique to measuring devices in potentially explosive surroundings.



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

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

28 II EX

CAN BE USED WORLDWIDE

ACCESSORIES

ARTICLE NO.	PRODUCT DESCRIPTION	
A0001461	Replacement protection module 440mA f. 28 II EX	
A0009288 	Temperature sensor 80PK-27	
A0005533 	AC Clamp i400 (400A)	
A0001493 	Leather case with strap	
A0009238 	TL175 Twist Guard Test Leads	
A000...	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:

$U_i \leq 65V, I_i \leq 5A$

Measurement outside the Ex-hazardous area:

$U_i \leq 1000V, I_i \leq 10A$