

Models	Compact meters					Specialty meters		
	117	116	115	114	113	28 II	27 II	28IIEX
Basic features								
Counts	6000	6000	6000	6000	6000	20000	6000	20000
True-rms readings	ac	ac	ac	ac	ac	ac		ac
Basic dc accuracy	0.5 %	0.5 %	0.5 %	0.5 %	0.5 %	0.05 %	0.1 %	0.05 %
Wide bandwidth						20 kHz	30 kHz	20kHz
Auto/manual ranging	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•
Digits	3-1/2	3-1/2	3-1/2	3-1/2	3-1/2	3-1/2	3-1/2	4-1/2
ATEX II 2G Eex ia IIC T4 safety rating Zone 1 and Zone 2								•
Measurements								
Voltage ac/dc	600 V	600 V	600 V	600 V	600 V	1000 V	1000 V	1000V
Current ac/dc	10 A	600 µA	10 A			10 A	10 A	10 A
Resistance	40 MΩ	40 MΩ	40 MΩ	40 MΩ	60 kΩ	50 MΩ	50 MΩ	50 MΩ
Frequency	100 kHz	100 kHz	100 kHz			200 kHz	200 kHz	200 kHz
Capacitance	10,000 µF	10,000 µF	10,000 µF		10,000 µF	10,000 µF	10,000 µF	10,000 µF
Temperature		(+) 400 °C				(+) 1090 °C		(+) 1090 °C
dB								
Conductance						60 nS	60 nS	60 nS
Duty cycle/pulse width						•/-	•/-	•/-
Continuity/diode test	•	•	•	•	•	•	•	•
Motor Drive (ASD) Measurements						•		•
VoltAlert™, non-contact voltage detection	•							
VCHEK™					•			
LoZ: low input impedance	•	•		•	•			
Lo Ohms								
Microamps		•				•	•	•
Display								
Wireless capabilities								
Dot matrix display								
Dual display								
Analog bargraph	•	•	•	•	•	•	•	•
Backlight	•	•	•	•	•	Two level	Two level	Two level
Graphical trend display								
Diagnostics and data								
Min Max recording/with time stamp	•/-	•/-	•/-	•/-	•/-	•/-	•/-	•/-
Fast Min Max						250 µs		250 µs
Display Hold/Auto (Touch) Hold	•/-	•/-	•/-	•/-	•/-	•/•	•/•	•/•
Relative reference						•	•	•
Stand alone logging								
Trend Capture								
Readings memories								
USB interface								
Other features								
Automatic selection, ac/dcvolts	•	•		•	•			
Real time clock								
Overmolded case, integrated holster								
Removable holster	•	•	•	•	•	•	•	•
Closed case calibration	•	•	•	•	•	•	•	•
Separate battery/fuse access	•	•	•	•	•	•/•	•	•/-
Completely sealed/ watertight						•	•	•
Automatic power off	•	•	•	•	•	•	•	•
Low battery indication	•	•	•	•	•	•	•	•
Operating temperature range	-10 °C, +50 °C	-10 °C, +50 °C	-10 °C, +50 °C	-10 °C, +50 °C	-10 °C, +50 °C	-40 °C, +55 °C	-40 °C, +55 °C	-15 °C, +50 °C
Warranty and electrical safety								
Warranty (years)	3	3	3	3	3	Lifetime	Lifetime	3
Input alert						•	•	•
Dangerous voltage indication	•	•	•	•	•	•	•	•
IP Rating	IP42	IP42	IP42	IP42	IP42	IP67	IP67	IP67
EN61010-1 CAT III	600 V	600 V	600 V	600 V		1000 V	1000 V	1000 V
EN61010-1 CAT IV					600 V	600 V	600 V	600 V