

Competition

Outside Ex areas:

METRIX MTX 3297Ex :

- AC+DC
- Better resolution(s)
- Double display
- 60,000 counts as native
- Current with clamp (programmable ratio)
- Communication

FLUKE 28 II Ex

- Battery life (may depend on batteries, brands/models referenced).
- Number of batteries

		Fluke 28 II Ex	MTX 3297Ex
Acquisition		AC TRMS / DC	AC+DC TRMS / AC TRMS / DC
Display		6,000 cts, backlit 20,000 cts (HR mode)	2 x 60,000 ct, backlit Bargraph with central zero mode
AC & AC+ DC voltage	Max. calibre Best resolution Uncertainty	1,000 V AC 0.1 mV 0.7% + 4 cts	1,000 V AC 0.001 mV 0.5% + 0.3 pts
VLOWZ		YES	YES
DC voltage	Max. calibre Best resolution Uncertainty	1,000 V DC 0.1 mV 0.05% + 1 ct	1,000 V DC 0.001 mV 0.05% + 25 cts
AC & AC+ DC current	Max. calibre Best resolution Uncertainty	10 A 0.1 µA 1% + 2 cts	10 A (20 A) 0.01 µA 1% + 25 cts
DC current	Max. calibre Best resolution Uncertainty	10 A 0.1 µA 0.2% + 4 cts	10 A (20 A) 0.01 µA 0.8% + 20 cts
Current with damp		-	YES
Resistance	Max. calibre Best resolution Uncertainty	50 MΩ 0.1 Ω 0.2% + 1 ct	60 MΩ 0.01 Ω 0.2% + 20 cts
Conductance		YES	YES
Diode test	Range Uncertainty	2 V 2% + 1 ct	3 V 1% + 30 cts
Duty cycle / Pulse width		Y / N	Y / Y
Capacitance	Range Uncertainty	10 nF .. 9 999 µF (≈ 10 mF) 1% + 2 cts	0,100 nF .. 60,00 mF 3% + 5 pts
Frequency	Range Uncertainty	0.5 Hz .. 199.99 kHz 0.005% + 1 ct	10,00 Hz .. 200 kHz 0,1% + 1 pt
Temperature	Range Uncertainty	-200.0°C .. + 1090.0°C 1% + 10 cts	-200°C .. + 800°C 1% + 1,5 °C
Min/MAX/Peak+/Peak		Y / Y / Y / N	Y / Y / Y / Y
dBm		-	YES
Resistive power (U ² /R)		-	YES
Communication		-	Optical/USB
Power supply /Battery life		3 x 1.5V AAA/ 400 h	4 x 1.5V AAA/ 350 h
Warranty		3 years	
Electrical safety		1000V CAT III / 600V CAT IV	
Ingress protection		IP67	