

The Tekneka M416 TRMS Digital Multimeter has high accuracy and complies with the most recent industrial safety regulations (1000V CAT III/CAT IV 600V). It is capable of measuring both direct and alternating currents between 10 μ A and 10A, as well as voltages between 100 μ V and 1000V. The measuring range for resistance is 100m Ω to 60M Ω , while the measurement range for capacitance is 1pF to 40mF with zero correction. In addition, it can measure frequencies between 10Hz and 10MHz, test continuity, measure diodes, and facilitate hold and relative measurements. It is a flexible instrument for a range of electrical and electronic applications thanks to its additional functions, which include duty cycle (%) monitoring, temperature measurement using a K-type thermocouple, and peak value measurement.

Features

- AC waveforms that are sinusoidal or non-sinusoidal can be measured by TRMS
- Dual display featuring both analog and digital scale measuring
- Range selection options: Auto/Manual
- Complied to the 1000V CAT III/CAT IV 600V safety rating
- Peak hold function to record the highest or lowest possible peak value
- Zero correction using relative measurement (REL)
- Digital LCD screen with backlight
- Low battery indicator & Auto power off feature
- Audible beep buzzer for continuity & diode test
- Easy to check MAX/MIN measured values
- HOLD function to pause the values while measuring
- Thermocouple type "K" for measuring temperature
- Automated terminal blocking mechanism installed for security and safety



Applications

The Tekneka M416 TRMS Digital Multimeter is widely used in Oil & Gas Industry, Construction Industry, Automotive Industry, Production Industry, Maintenance Service Providers, Electrical Inspectors, Electronics Industry, Electronics Service Industry, Smartphone Industry, etc.

Packing Includes

- Test Leads Set
- 2 x AA (1.5V) Batteries
- Device Holster

Description	Ranges	Accuracy
DC Voltage	660.0mV ~ 1000.0V	$\pm(0.4\% + 5 \text{ dgt})$
AC Voltage	660.0mV ~ 1000.0V	$\pm(1\% + 3 \text{ dgt})$
DC Current	66.0mA ~ 10.00A	$\pm(0.8\% + 5 \text{ dgt})$
AC Current	66.0mA ~ 10.00A	$\pm(0.8\% + 5 \text{ dgt})$
Resistance	660.0 Ω ~ 66.00M Ω	$\pm(0.8\% + 5 \text{ dgt})$
Capacitance	6.600nF ~ 40.00mF	$\pm(2\% + 10 \text{ dgt})$
Frequency	66.00Hz ~ 10.00MHz	$\pm(0.2\% + 2 \text{ dgt})$
Duty Cycle	1.0 ~ 98.9%	$\pm 5D$
Diode	Up to 2.000V	$\pm 2.0\% + 10D$
Temperature	0 ~ 1300°C (Type K)	$\pm 0.2\% + 2D$
Continuity	Meter beeps at < 30 Ω	

General Specifications	
Display (LCD)	4 digits: 6600 counts
Ranging	Auto/Manual
Sampling Rate	2.8 times/sec
Safety Rating	1000V CAT III/CAT IV 600V
True RMS	✓
Data Hold	✓
Backlight	✓
Low Battery Indication	✓
Auto Power Off	✓
Built Material	ABS
Protection	IP50/IP20 for terminals
Operating Temperature	0 ~ 50°C
Power Supply	2 x 1.5V AA batteries
Dimension	79 x 174 x 38mm
Weight	Net: 400g/Gross: 600g

Ordering Info

M416..... TRMS Digital Multimeter