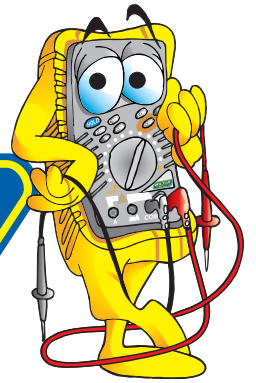


Professional AC Clamp Meter



Technical Data



K2040

The new K2040 clamp meter has a rubberized double moulding giving the user a comfortable grip in the palm. The K2040 has a 6039 count display with a bargraph, and is capable of measuring AC Current up to 600 Amps on a maximum conductor size of 33mm. The meter measures AC and DC voltage, Resistance to 60M Ω , Frequency measurement with Duty Cycle, a Diode Test and Continuity Buzzer and a Non-Contact Voltage detector. Other features include a MAX/MIN recording and Data Hold function. The K2040 clamp meter is designed to meet the latest international standard IEC 61010-1 CAT IV 600V and CAT III 1000V.

Features Include:

- Measures AC current up to 600 Amps
- \varnothing 33mm Cable
- Non-Contact Voltage indication
- Large backlight 6039 Count LCD display with an 61 segment bargraph
- Measures Duty Cycle and Frequency
- Measures Resistance up to 400k Ω
- Continuity Buzzer and Diode Test
- 600V input Protection
- Auto Power Off
- Double moulded housing provides comfortable palm grip
- Data Hold
- Relative Mode

General Specifications

Mode of Operation	: $\Delta \Sigma$ mode
Display	: max. 6039 counts (frequency: 9999) & bar graph
Over-Range Indication	: "OL" displayed when exceeding the measuring range (except for AC/DCV and 1000A function)
Range Switching	: Auto-ranging/Voltage resistance range Single range/Continuity diode check and DUTY
Sample Rate	: three times per second
Functional Construction	: OFF/ACA/ACVDCV/ Ω
Keys	: SELECT(AC/DC switching & / Ω / \rightarrow) / \rightarrow , REL Δ
Power Source	: DC3V/R03 (UM-4)X2pcs
Low Battery Warning	: "BATT" mark is displayed at 2.4V \pm 0.15V or less
Temperature and Humidity	: 23°C \pm 5°C, relative humidity accuracy guaranteed 85% or less (no condensation)
Operating Temperature and Humidity Range	: 0 ~ 40°C, relative humidity 85% or less (no condensation)
Storage Temperature and Humidity Range	: -20 ~ 60°C, relative humidity 85% or less (no condensation)
Current Consumption	: Approx. 12mA



General Specifications

Sleep Function	: Automatically powered off in about 15 min after the last function switch operation. Press any key or rotate the function switch from OFF to any position to exit from the sleep state
Applicable Standards	: IEC61010-1:2001 Measurement CATIV 600V Pollution degree 2 IEC61010-031:2002, IEC 61010-2-032 EMC : EN 61326 EN 55022 EN 61000-4-2 (performance criterion B) EN 61000-4-3 (performance criterion B)
Overload Protection	: Current Range: 720A AC/ 10sec Voltage Range: 720V AC/DC/ 10sec Resistance Range: 600V AC/DC/ 10sec
Withstand Voltage	: 6880V AC (TRMS 50/60Hz) / 5 sec (between jaws and electrical circuit / between internal circuit and enclosure)
Insulation Resistance	: 10M Ω or more/ 1000V (between electrical circuit and enclosure)
Conductor Size	: Approx. 33mm
Dimensions	: Approx. 243(L) x 77(W) x 36(D)mm
Weight	: Approx. 300 g
Accessories	: Test leads Model 7066 / 1 set Battery R03 (UM-4) / 2 pcs Instruction Manual / 1 pce Carrying case / 1 pcs

Measurement	Function	Measuring Range	Accuracy
AC Current	600A	0-600.0A	$\pm 1.5\%$ rdg ± 5 dgt (50/60Hz) $\pm 3.5\%$ rdg ± 8 dgt (40~400Hz)
Measurement	Range	Measuring Range	Accuracy
AC Voltage	6/60/600V	0-600.0V	$\pm 1.3\%$ rdg ± 4 dgt (50-60Hz) $\pm 3.0\%$ rdg ± 5 dgt (40~400Hz)
DC Voltage	600mV/6/60/600V	0-600.0V	$\pm 1.0\%$ rdg ± 3 dgt
Resistance	600 Ω /6k/60k/600k Ω / 6m Ω	0-600.0k Ω	$\pm 1.0\%$ rdg ± 5 dgt
	60M Ω	6.00M-60.00M Ω	$\pm 5\%$ rdg ± 8 dgt
	Cont Buzzer	0-600.0 Ω	Buzzer sounds at 100 Ω or less
	Diode	Test Voltage: 0-2V	
Frequency	ACA	40Hz-400Hz	$\pm 0.5\%$ rdg ± 5 dgt
	ACV	1Hz~10kHz	
	0.1-99.9% (Pulse width / Pulse period)		$\pm 2.5\%$ rdg ± 5 dgt

Ordering Information

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