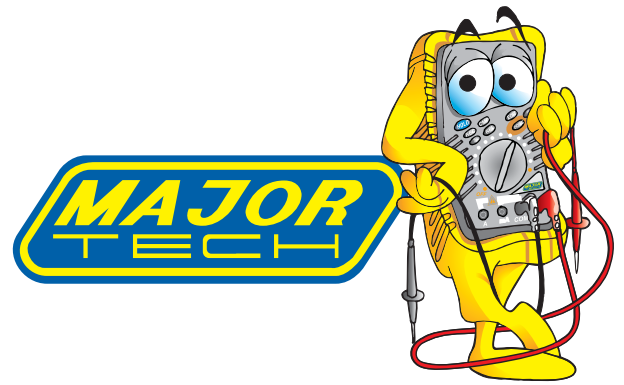


Leakage Clamp Meter



Technical Data

K2413R

The New K2413R is a True RMS sensing leakage clamp meter, with the wide 68mm transformer jaws. The K2413R is best suited for clamping on all three or four wires together on three phase systems for leakage current measurements. The Peak Hold facility has a selectable response time of 10ms or 100ms and features a frequency filter switch which permits AC leakage current of 50/60Hz fundamental frequency only or including harmonics.

Features Include:

- True RMS
- Ø68mm Cable
- Measures AC current up to 1000 Amps
- 0.1mA Resolution
- Extra wide transformer jaws for clamping on all wires
- AC output terminal for waveform viewing on oscilloscopes
- Output terminal for recording current input
- Dual frequency response of fundamental 50/60Hz only or from 20Hz to 1kHz
- Shielded transformer jaws minimize the effect of external or stray magnetic fields
- Auto Power Off

General Specifications

Operating System	: Dual Integration
Display	: Fiel effect 3 · 1/2 digit liquid crystal disply with maximum count of 1999
Range Selection	: Manual
Over Range Indication	: "1" is displayed on the highest digit except for 1000A AC range
Response Time	: Approx. 3 seconds
Sample Rate	: Approx. 3 times per second
Data Hold	: Available on all ranges
Location for Use	: Indoor use, Altitude up to 2000m
Temperature and Humidity for Specified Accuracy	: 23°C±5°C, relative humidity up to 85% without condensation
Storage Temperature and Humidity	: -20 ~ 60°C, relative humidity up to 80% without condensation
Operating Temperature and Humidity	: 0 ~ 40°C, relative humidity up to 85% without condensation
Power Source	: One 6 F22 or equivalent battery
Low Battery Warning	: "BATT" symbol is shown on the display
Current Consumption	: Approx. 5mA max. (use backlight: 8mA max.)



General Specifications

- Standards (Safety)

(EMC)

Overload Protection

Withstand Voltage

Insulation Resistance

Conductor Size

Dimensions

Weight

Accessories

Optional Accessories

Peak Hold
- : IEC61010-1

: IEC61010-2-032

: CAT III,AC300V, Pollution degree 2

: EN 61326

: EN 55022

: EN 61000-4-2 (performance criterion B)

: EN 61000-4-3 (performance criterion B)

: 1500AAC max for 1 minute

: 3700V AC max for 1 minute between electrical circuit and housing cases

: 50M Ω or greater at 1000V between electrical circuits and housing cases or metal parts of jaws

: Approx. 68mm diameter max

: 250(L) x130(W) x 50(D)mm

: Approx. 600 g (including battery)

: 6F22 Battery

: Carrying case

: Instruction manual

: Model 7073 two way output cord

: Response time selectable from approx. 10ms and 100ms.

: 1/√ 2 of the peak current is displayed, which means an RMS reading will be obtained when current having sinusoidal waveform is measured.

: Peak hold reading varies by approximately ± 1% max of full scale in the first minute at 23°C±5°C and relative humidity of 75% without condensation

AC Current

Ranges		Accuracy		Time Limit for Measurements
		Frequency Range Response		
		WIDE * Add 2% at CF≥2	50/60Hz * Only sine wave	
200mA	0 ~ 199.9mA CF ≤ 3.0	± 1.8% rdg ± 5 dgt (50/60Hz) ± 3.0% rdg ± 5 dgt (40~1kHz)	± 2.5% rdg ± 5 dgt	Continuous
2A	0 ~ 1.999A CF ≤ 3.0			
20A	0 ~ 19.99A CF ≤ 3.0			
200A	0 ~ 199.9A CF ≤ 3.0	± 2.0% rdg ± 5 dgt (50/60Hz) ± 3.5% rdg ± 5 dgt (40~1kHz)	± 3.0% rdg ± 5 dgt	
1000A	0 ~ 500A CF ≤ 3.0			
	501 ~ 1000A CF ≤ 3.0	5% rdg (50/60Hz)	5.5% rdg	10 min.

AC Output

Range	Measuring Range	AC Output	Accuracy
200mA	0 ~ 200mA	0 ~ 200mV	± 2.0% rdg ± 0.5mV
2A	0 ~ 2A		
20A	0 ~ 20A		
200A	0 ~ 200A		± 2.5% rdg ± 0.5mV
1000A	0 ~ 500A	0 ~ 50mV	± 3.0% rdg ± 0.5mV
	501A ~ 1000A	50 ~ 100mV	± 5.0% rdg ± 0.5mV

DC Output

Ranges	AC Input Current	DC Output Voltage	Accuracy (Frequency Range)	
			Frequency Selector Switch at WIDE position	Frequency Selector Switch at WIDE position
200mA	0 ~ 200mA	0 ~ 200mV	± 3.0% rdg ± 0.5mV	± 3.5% rdg ± 0.5mV
2A	0 ~ 2A			
20A	0 ~ 20A		± 3.5% rdg ± 0.5mV	± 4.0% rdg ± 0.5mV
200A	0 ~ 200A			
1000A	0 ~ 500A	0 ~ 50mV	± 5.0% rdg ± 0.5mV	± 5.5% rdg ± 0.5mV
	501A ~ 1000A	50 ~ 100mV	± 7.0% rdg ± 0.5mV	± 7.5% rdg ± 0.5mV

Ordering Information

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