



Quality and reliability is our tradition

KYORITSU


# LEAKAGE CLAMP METER SERIES KEW 2413R



## From mA up to 1000A, $\phi 68\text{mm}$ Jaws, True RMS

Convenient to assess the deterioration of insulation in a live circuit without carrying out an insulation test.

- Large transformer jaws of 68mm diameter makes it possible to clamp on all three or four wires (3 phases) together for leakage current measurement.
- Frequency filter switch to eliminate the effect of the harmonics.
- 2 way analogue output terminal:  
AC current detected by transformer jaws is converted to AC and DC voltage. Output cord model 7073 (option) is used for monitoring waveform with an oscilloscope or for connecting to a recorder.
- Measurement from mA up to AC 1000A
- True RMS enables an accurate measurement for distorted waveforms.
- Peak hold function  
(Response time is selectable for 10ms or 100ms.)
- Data hold function: Allows for easy reading in dimly light or hard-to-reach locations
- Back light in the LCD (Automatically off)
- International safety standard IEC61010-1 CAT. III 300V

	KEW 2413R	MODEL 2413F
Specifications	 <p><b>TRUE RMS</b> <b>φ68</b> <b>MAX AC 1000A</b>   <b>Resolution 0.1mA</b></p> <p><b>NEW</b> <b>CE</b></p>	 <p><b>φ68</b> <b>MAX AC 1000A</b>   <b>Resolution 0.1mA</b></p> <p><b>CE</b></p>
AC A (50/60Hz)	200mA/2/20/200/1000A ±2.5%rdg±5dgt (200mA/2/20A) ±3.0%rdg±5dgt (200A, 0~500A) ±5.5%rdg (501~1000A)	200mA/2/20/200/1000A ±1.5%rdg±2dgt (200mA/2/20A) ±2%rdg±2dgt (200A, 0~500A) ±5.5%rdg (501~1000A)
AC A (WIDE)	200mA/2/20/200/1000A ±1.8%rdg±5dgt (50/60Hz) (200mA/2/20A) ±2.0%rdg±5dgt (50/60Hz) (200A, 0~500A) ±5.0%rdg (50/60Hz) (501~1000A)	200mA/2/20/200/1000A ±1%rdg±2dgt (50/60Hz) (200mA/2/20A) ±1.5%rdg±2dgt (50/60Hz) (200A, 0~500A) ±5.0%rdg (50/60Hz) (501~1000A)
Conductor Size	φ68mm max.	
Frequency Response	40Hz~1kHz	
Analogue Output	AC/DC 200mV against 2000 count reading (100mV at the 1000A range)	
Crest Factor	3.0 or less	
Withstand Voltage	3700V AC for 1 minute	
Applicable Standard	IEC61010-1 CAT. III 300V Pollution degree2 IEC61010-2-032	
Power Source	6F22 (9V) × 1 ※Continuous measuring time: Approx. 60 hours	
Dimensions	250 (L) × 130 (W) × 50 (D) mm	
Weight	Approx. 600g (including battery)	Approx. 570g (including battery)
Accessories	9064 (Carrying Case) 6F22 × 1 Instruction Manual 7073 (2WAY Output Cord)	
Optional		

## The KEW leakage clamp meters way to use

If the RCD trips, it should be temporarily "bridged out". Simply clamp the Leakage Clamp Meter around both phase and neutral conductors on the supply side of the RCD (for 3-phase systems, all three live conductors and the neutral conductor should be enclosed).

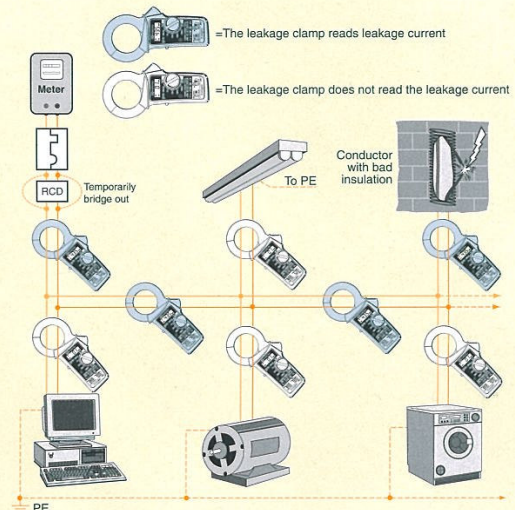
The instrument display will then directly read the leakage current to earth in the installation with a high resolution.

Suppose the display reads 43.5 mA, simply tracing the leakage current the fault will be found.

In the fig there is a practical example how to trace the fault measuring the leakage current.

Normally, using this tracing system the fault will be found but sometimes the earth leakage current will not be caused exclusively by low insulation resistance.

In fact could happen that performing an insulation test there is not a low value of insulation resistance even if the RCD still trips!



## Safety Warnings :

Please read the "Safety Warnings" in the instruction manual supplied with the instrument thoroughly and completely for correct use. Failure to follow the safety rules can cause fire, trouble, electrical shock, etc. Therefore, make sure to operate the instrument on a correct power supply and voltage rating marked on each instrument.

■ For inquires or orders :



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