Industrial Digital RCD / ELCB Tester Operating voltage 100V - 400V L-E





Measuring Range and Accuracy (at 23±5°C and RH 75% or less)

Altitude up to 2000m, indoor use

0°C ~ 40°C, relative humidity 85%

-20°C ~ 60°C, relative humidity 85%

Technical Datasheet

K5410

The new K5410 is a Microprocessor controlled Industrial Earth Leakage tester designed to operate on 550V, 380V and 220V systems, or circuits with a maximum of 450V AC (L-E). The K5410 measures trip current by varying the current automatically. A great feature is remote testing which enables the user to hold the test leads with both hands by locking the test button; measurement will automatically start when the main voltage is detected. The K5410 detects the voltage to Earth electrodes or Protective conductors during RCD test, when applying test currents, at measurement using Earth in order to prevent electrical shocks cause by the damaged earth. Measurement will cease at 50V AC or more.



RANGE

(no condensation)

(no condensation)

AC3700V / 1min

After 3 min

IEC 61557-1.6 IEC 61010-031 IEC 60529(IP54)

 $50M\Omega$ or more / 1000V

DC12V / AA Battery R6P x 8

186mm X 167mm X 89 mm

Specifications

FUNCTION

Operating

Temperature

Temperature

& Humidity

Withstand

Resistance

Applicable

Standards

Power source

Dimensions

Weight

Sleep Function

Voltage Insulation

& Humidity

Storage

Used Location











Features

- Microprocessor controlled
- Operating voltage 100V 400V L-E
- Auto Ramp • .
- 0° or 180° Phase angle selection
- Rated current 15mA 500mA
- . Automatically measures trip current
- . Remote testing
- . IP54

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Rated current 15mA - 500mA



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Standard Accessories Instruction Manual, Strap Belt, 1 x Test lead M7128 x 1 set (red & black cords), 1 x Test lead with alligator clips M7129, 1 x Cord case, 2 x Long pin M8017

Ordering Information

965g

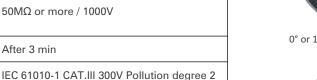
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0° or 180° Phase angle selection





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Technical Datasheet

Measuring Range and Accuracy (23°±5°C, relative humidity 75% or less)

Range	Rated Voltage	Test Current	l∆n	Measuring Range		Accuracy
X5	100V + 10% 200V + 32% /-10% 400V ± 10% 50 / 60Hz	10 / 30 / 50 /100mA		Testing Time 0ms ~ 200ms		Trip Time ±(1%rdg + 3dgt)
						Trip Time +2% ~ 8%
		10 / 30 / 50 /100 /	200	Testing Time		Trip Time ±(1%rdg + 3dgt)
X1		/ 500mA		0ms ~ 200ms		Trip Time +2% ~ 8%
X1/2		10 / 30 / 50 /100 /	200	Testing Time 0ms ~ 200ms		Trip Time ±(1%rdg + 3dgt)
		/ 500mA				Trip Time +2% ~ 8%
AUTO RAMP (mA)		10 / 30 / 50 /100 / 200 / 500mA		40% ~ 110% of I \triangle n (goes up by 5%) Testing Time 300ms x	y 5%) lest Current at each step	
Voltage Measurem	ent					
Measuring Range			Accuracy			
80V ~ 450 V 50 / 60Hz			±(2%rdg+4dgt)			
Max Operating Erro	or					
Range			Max Operating Error			
X5				0%~+	0% ~ +10%	
			test measu	rement +10%	+10%	
X1			test current	0%~+	0% ~ +10%	
			test measurement +10%			
X1/2			test current -10% ~ 0%			
AUTO RAMP (mA)				± 6%		

Ordering Information

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 Johannesburg
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 872
 5500
 021
 556
 3091
 031
 569
 1024
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