

Industrial Digital RCD / ELCB Tester

Operating voltage 100V - 400V L-E



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.



Specifications

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

FUNCTION	RANGE
Used Location	Altitude up to 2000m, indoor use
Operating Temperature & Humidity	0°C ~ 40°C, relative humidity 85% (no condensation)
Storage Temperature & Humidity	-20°C ~ 60°C, relative humidity 85% (no condensation)
Withstand Voltage	AC3700V / 1min
Insulation Resistance	50MΩ or more / 1000V
Sleep Function	After 3 min
Applicable Standards	IEC 61010-1 CAT.III 300V Pollution degree 2 IEC 61557-1,6 IEC 61010-031 IEC 60529(IP54)
Power source	DC12V / AA Battery R6P x 8
Dimensions	186mm X 167mm X 89 mm
Weight	965g

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



0° or 180° Phase angle selection



Rated current 15mA - 500mA



Operating voltage 100V - 400V L-E



Backlight

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

Branches: Johannesburg | Cape Town | Durban | Port Elizabeth | Bloemfontein
011 872 5500 | 021 556 3091 | 031 569 1024 | 041 452 1172 | 051 430 4958
National Telephone Number: 08 61 62 5678



Join us on Facebook
www.facebook.com/MajorTechSA/

email: sales@major-tech.com

For more information on our products visit our website :

www.major-tech.com

Industrial Digital RCD / ELCB Tester

Operating voltage 100V - 400V L-E



Technical Datasheet

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

Range	Rated Voltage	Test Current I Δ 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%
X1		10 / 30 / 50 / 100 / 200 / 500mA	Testing Time 0ms ~ 200ms	Trip Time ±(1%rdg + 3dgt) Trip Time +2% ~ 8%
X1/2		10 / 30 / 50 / 100 / 200 / 500mA	Testing Time 0ms ~ 200ms	Trip Time ±(1%rdg + 3dgt) Trip Time +2% ~ 8%
AUTO RAMP (mA)		10 / 30 / 50 / 100 / 200 / 500mA	40% ~ 110% of I Δ n (goes up by 5%) Testing Time 300ms x 15 steps	Test Current at each step -4% ~ +4%

Voltage Measurement

Measuring Range	Accuracy
80V ~ 450 V 50 / 60Hz	±(2%rdg+4dgt)

Max Operating Error

Range	Max Operating Error
X5	test current 0% ~ +10%
	test measurement +10%
X1	test current 0% ~ +10%
	test measurement +10%
X1/2	test current -10% ~ 0%
AUTO RAMP (mA)	± 6%

Ordering Information

Branches: Johannesburg | Cape Town | Durban | Port Elizabeth | Bloemfontein
011 872 5500 | 021 556 3091 | 031 569 1024 | 041 452 1172 | 051 430 4958
National Telephone Number: 08 61 62 5678



Join us on Facebook
www.facebook.com/MajorTechSA/

email: sales@major-tech.com

For more information on our products visit our website :

www.major-tech.com