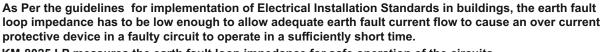


An ISO 9001:2015 Company

## LOOP IMPEDANCE TESTER





KM-8025 LP measures the earth fault loop impedance for safe operation of the circuits.

## FEATURES

- 3 <sup>1</sup>⁄<sub>2</sub> digit LCD (2000-count).
- Backlight function.
- 15mA loop measurement which will not trip ELCBs.
- Convenient and easier for users to measure the
- loop impedance directly without bypassing the wires.
- Wiring check function.
- Over temperature protection.
- Safety standard : EN 61010-1 CAT III 300V EN 61326-1

## SPECIEICATIONS

| Loop Imped                     | dance           |   |   |                      |                   |
|--------------------------------|-----------------|---|---|----------------------|-------------------|
| Range                          | Measuring Range |   | Nominal test current at<br>0Ω external loop |                      | Accuracy          |
| 20Ω                            | 0.00~19.99 Ω    |   | 23A / 40ms                                  |                      |                   |
| 200Ω                           | 0.0~199.9 Ω     |   | 2.3A / 40ms                                 |                      | (2%rdg + 4dgt)    |
| 2000Ω                          | 0~1999 Ω        |   | 15mA / 400ms                                |                      |                   |
| Prospective                    | e Short-        | circuit Curre   | ent   |                      |                   |
| Range                          | Measuring Range |   | Nominal test current at<br>0Ω external loop |                      | Accuracy          |
| 20KA                           | 0.00~4.00 KA    |   | 23A / 40ms                                  |                      | Consider accuracy |
| 2000A                          | 0~19            | 999 A   | 23A / 40m                                   | s                    | of loop impedance |
| 200A                           | 0.0~            | 199.9 A   | 2.3A / 40m                                  | S                    |                   |
| Voltage Dis                    | play            |   |   |                      |                   |
| Measuring Range                |                 | Accuracy  |   | Remark               |                   |
| 150~260V                       |                 | (2%rdg + 4dgt)  |   | at 0 Ω external loop |                   |
| General                        |                 |   |   |                      |                   |
| Temperature                    |                 | 0~40°C  |   |                      |                   |
| System voltage                 |                 | 230V  |   | +13%                 |                   |
|                                |                 |   |   | -15%                 |                   |
| System frequency               |                 | 50Hz  |   |                      |                   |
| None Battery<br>system voltage |                 | 150V~260V   |   |                      |                   |
| Over Temperature protection    |                 | When overheating, the "§" symbol will show on the LCD, and the 8025LP stop measuring.     |   |                      |                   |
| Wiring check                   |                 | P-E LEDs illuminate when the  |   | e wiring polarity    |                   |
|                                |                 | P-N   | of circuit under test is correct            |                      |                   |
|                                |                 | N-E LED is light when P and N are reversed o the Earth is not connected.                  |   |                      |                   |
| 15mA Loop<br>measurement       |                 | Loop impedance $200\Omega$ range measurement is carried out with low test current (15mA). |   |                      |                   |
|                                |                 | The Current will not cause tripping out for ELCBs.  |   |                      |                   |

- Over voltage protection.
- Built-in voltmeter.
- Built-in earth tester.
- Built-in loop/psc tester.
- No Batteries used.



THINK SAFETY

Constraint</td

All Specifications are subject to change without prior notice.



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