

# Analogue Insulation / Continuity Tester

## ME3182A

- Dust and drip proof construction. (designed to IEC60529 IP54)
- Designed to meet IEC61010-1 and IEC61557 safety standard
- 1mA rated test current at the minimum resistance.
- 200mA measuring current on continuity testing.
- Automatic discharge of circuit capacitance (Any charge stored in the circuit under test will be automatically discharged after testing.)
- Live circuit warning buzzer and neon lamp.
- Small and lightweight. Shock resistant new case material.
- AC voltmeter with linear, easy-to-read scale



### Insulation Resistance

|                      |   |
|----------------------|---|
| Test Voltage         | 250V/500V/1000V   |
| Measuring Range      | 100MO/200MO/400MO   |
| (Mid-Scale Value)    | (1MO) / (2MO) / (4MO)   |
| Output Voltage (o/c) | Rated test voltage +20%, -0%  |
| Nominal Current      | 1mA DC min.   |
| Output Short (s/c)   | 1~2mA DC  |
| Accuracy             | 0.1~10MO/0.2~20MO/0.4~40MO<br>(Accuracy Guaranteed Ranges) $\pm 5\%$ of indicated value |

### Continuity

|                      |                                  |
|----------------------|----------------------------------|
| Measuring Ranges     | 30/500 $\Omega$                  |
| (Mid-Scale Ranges)   | (1.5 $\Omega$ ) / (20 $\Omega$ ) |
| Output Voltage (o/c) | 4.1V DC approx.                  |
| Measuring Current    | 210mA DC min.                    |
| Accuracy             | $\pm 1.5\%$ of scale length      |

### AC Voltage

|            |                           |
|------------|---------------------------|
| AC Voltage | 0~600V AC                 |
| Accuracy   | $\pm 5\%$ of scale length |

### General

|                   |   |
|-------------------|---|
| Safety Standard   | IEC61010-1 CAT.III 600V Pollution Degree 2<br>IEC61010-2-031 & IEC61557-1/2/4 |
| IP Rating         | IEC60529-IP54   |
| EMC Standard      | IEC61326-1  |
| Withstand Voltage | 3700V AC for 1 Minute   |
| Power Source      | R6P (AA)(1.5V) x 6  |
| Dimensions        | 106 (L) x 160 (W) x 72 (D) mm   |
| Weight            | 560g approx.  |

ME3182A DC1v1.pdf

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