

# DIGITAL MULTIMETERS

## MODEL 2000 06 MAX 200 / 2001 010 MAX 1000

KEY MATE



photo : 2001

DC V AC V Ω Hz DATA HOLD AUTO OFF

- Capable of measuring AC and DC currents up to 60A (MODEL 2000) / 100A (MODEL 2001) with OPEN CLAMP SENSOR.
- 3400 counts with bargraph display.
- Pocket size and heavy duty design.
- Sleep function to save battery consumption.
- Designed to international safety standard IEC61010-1 CAT. III 300V

|                      | 2000  | 2001  |
|----------------------|---|---|
| DC V                 | 340 mV/3.4/34/340/600V (Input impedance: 10MΩ)<br>±1.5%rdg±4dgt                                     |   |
| AC V                 | 3.4/34/340/600V (Input impedance: 10MΩ)<br>±1.5%rdg±5dgt(50~400Hz)                                  |   |
| DC A                 | 60A ±2%rdg±5dgt   | 100A ±2%rdg±5dgt  |
| AC A                 | 60A ±2%rdg±5dgt(50/60Hz)  | 100A ±2%rdg±5dgt(50/60Hz)   |
| Ω                    | 340Ω/3.4/34/340kΩ/3.4/34MΩ<br>±1%rdg±3dgt(0~340kΩ)<br>±5%rdg±5dgt(3.4MΩ)<br>±15%rdg±5dgt(34MΩ)      |   |
| Continuity buzzer    | Buzzer sounds below 30±10Ω<br>(Continuity buzzer works on 340Ω range only)                          |   |
| Frequency            | (AC A) 3.4/10kHz ±0.1%rdg±1dgt<br>(AC V) 3.4/34/300kHz ±0.1%rdg±1dgt                                |   |
|                      | (Input sensitivity<br>Current: more than 15A<br>Voltage: more than 30V)                             | (Input sensitivity<br>Current: more than 25A<br>Voltage: more than 30V) |
| Conductor size       | φ6mm max.   | φ10mm max.  |
| Applicable standards | IEC 61010-1 CAT. III 300V Pollution degree 2<br>IEC 61010-031, IEC 61010-2-032, IEC 61326-1         |   |
| Power source         | R03(DC1.5V) × 2<br>*Continuous measuring time: approx. 45hours (Auto power save: approx. 10minutes) |   |
| Dimensions           | 128(L) × 87(W) × 24(D)mm  | 128(L) × 92(W) × 27(D)mm  |
| Weight               | 210g approx.  | 220g approx.  |
| Accessories          | R03(1.5V) × 2<br>Instruction manual   |   |
| Optional             | 9107(Carrying case (Soft))  |   |

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## KEY MATE 2012R



Ω Hz DATA HOLD AUTO OFF

- Innovative Multimeters with current measurements up to 120A AC/DC
- Unique Open Jaw technology for AC/DC current measurements
- Very compact and as reliable as a traditional full size multimeter

|                      | 2012R   |
|----------------------|---|
| DC V                 | 600.0mV/6.000/60.00/600.0V<br>(Input impedance: approx. 10MΩ) ±1.0%rdg±3dgt   |
| AC V                 | 6.000/60.00/600.0V (Input impedance: approx. 10 MΩ)<br>±1.5%rdg±5dgt(45~400Hz)  |
| DC A                 | 60.00/120.0A ±2.0%rdg±8dgt(60A)<br>±2.0%rdg±5dgt(120A)  |
| AC A                 | 60.00/120.0A ±2.0%rdg±5dgt(45~65Hz)   |
| Ω                    | 600.0Ω/6.000/60.00/600.0kΩ/6.000/60.00MΩ<br>±1.0%rdg±5dgt(600Ω/6/60/600kΩ)<br>±2.0%rdg±5dgt(6MΩ) ±3.0%rdg±5dgt(60MΩ)  |
| Continuity buzzer    | Buzzer sounds below 35±25Ω  |
| Diode test           | 2V ±3.0%rdg±5dgt Open-loop voltage: approx. 2.7V  |
| Capacitance          | 400.0nF/4.000/40.00µF ±2.5%rdg±10dgt  |
| Frequency            | AC A: 100/400Hz<br>±0.2%rdg±2dgt(100Hz) ±0.1%rdg±1dgt(100~400Hz)<br>AC V: 100/1000Hz/10/100/300.0kHz<br>±0.2%rdg±2dgt(100Hz) ±0.1%rdg±1dgt(1000Hz/10/100/300.0kHz)<br>(Input sensitivity Current: more than 6A Voltage: more than 6V [-10kHz] more than 20V [10k~300kHz]) |
| Conductor size       | φ12mm max.  |
| Applicable Standards | IEC 61010-1 CAT. III 300V, CAT. II 600V Pollution degree 2<br>IEC 61010-031, IEC 61010-2-032, IEC 61326   |
| Power source         | R03 (1.5V) × 2<br>*Continuous measuring time: DCV: approx. 150hours, ACA: approx. 25hours (Auto power save: approx. 15minutes)  |
| Dimensions           | 128 (L) × 92 (W) × 27 (D) mm  |
| Weight               | 220g approx. (including batteries)  |
| Accessories          | R03 (1.5V) × 2, Instruction manual  |
| Optional             | 9107 (Carrying case (Soft))   |



Measuring current in a Switchboard



Servicing a Forklift



Servicing a car