

## DIGITAL MULTIMETER

**MS8250A / MS8250B / MS8250D**

EMC  
LVD



### MS8250A

**VOLTAGE** DC 600V  
AC 600V

**CURRENT** DC 10A  
AC 10A

**REL** **NCV** **Hz%** **AUTO** **Apo**

**REL** **NCV** **Hz%** **AUTO** **Apo**

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**REL** **NCV** **Hz%** **AUTO** **Apo**



### MS8250B

**USB** **1**

**USB** **1**

**USB** **1**

**USB** **1**

**USB** **1**

**USB** **1**

**USB** **1**

**USB** **1**

**USB** **1**

**USB** **1**

**USB** **1**

**USB** **1**

**USB** **1**

**USB** **1**

**USB** **1**

**USB** **1**



### MS8250D

**VOLTAGE** DC 1000V  
AC 1000V

**CURRENT** DC 10A  
AC 10A

**REL** **NCV** **Hz%** **AUTO** **Apo**

**REL** **NCV** **Hz%** **AUTO** **Apo**

**REL** **NCV** **Hz%** **AUTO** **Apo**

**REL** **NCV** **Hz%** **AUTO** **Apo**

**REL** **NCV** **Hz%** **AUTO** **Apo**

**REL** **NCV** **Hz%** **AUTO** **Apo**

**REL** **NCV** **Hz%** **AUTO** **Apo**

**REL** **NCV** **Hz%** **AUTO** **Apo**

### Specifications

MS8250A MS8250B MS8250D

| Specifications | Accuracy                                    |            |            |
|----------------|---------------------------------------------|------------|------------|
| DC Voltage     | 400mV                                       | ±(0.8%+3)  | ±(0.8%+3)  |
|                | 4V/40V/400V/600V                            | ±(0.5%+5)  | ±(0.5%+5)  |
|                | 660mV                                       |            | ±(0.8%+3)  |
|                | 6.6V/66V/660V/1000V                         |            | ±(0.5%+5)  |
| AC Voltage     | 400mV                                       | ±(1.0%+5)  | ±(1.0%+5)  |
|                | 4V/40V/400V                                 | ±(0.8%+5)  | ±(0.8%+5)  |
|                | 600V                                        | ±(1.2%+3)  | ±(1.2%+3)  |
|                | 660mV                                       |            | ±(1.5%+5)  |
| DC Current     | 6.6V/66V                                    |            | ±(1.2%+5)  |
|                | 660V/1000V                                  |            | ±(1.0%+3)  |
|                | 400μA/4000μA/40mA/400mA                     | ±(0.8%+2)  | ±(0.8%+2)  |
|                | 4A/10A                                      | ±(1.2%+2)  | ±(1.2%+2)  |
| AC Current     | 660μA/6600μA/66mA/660mA                     |            | ±(1.0%+5)  |
|                | 10A                                         |            | ±(2.0%+5)  |
|                | 400μA/4000μA/40mA/400mA                     | ±(1.5%+2)  | ±(1.5%+2)  |
|                | 4A/10A                                      | ±(3.0%+5)  | ±(3.0%+5)  |
| Resistance     | 660μA/6600μA/66mA/660mA                     |            | ±(1.5%+5)  |
|                | 10A                                         |            | ±(3.0%+5)  |
|                | 400Ω/4/40/400KΩ/4MΩ                         | ±(1.0%+5)  | ±(1.0%+5)  |
|                | 40MΩ                                        | ±(1.2%+15) | ±(1.2%+15) |
| Capacitance    | 660Ω/6.6/66/660kΩ/6.6MΩ                     |            | ±(0.8%+5)  |
|                | 66MΩ                                        |            | ±(1.5%+5)  |
|                | 40nF/400nF/4μF/40μF/100μF                   | ±(3.0%+5)  | ±(3.0%+5)  |
|                | 6.6nF                                       |            | ±(4.0%+5)  |
| Frequency      | 66/660nF/6.6/66/660μF                       |            | ±(3.0%+3)  |
|                | 6.6mF/66mF                                  |            | ±(4.0%+5)  |
|                | 5Hz/50Hz/500Hz/5kHz/50kHz/5MHz              | ±(0.5%+2)  | ±(0.5%+2)  |
|                | 66Hz/660Hz/6.6kHz/66kHz/660kHz/6.6MHz/66MHz |            | ±(1.5%+5)  |
| Duty Cycle     | 0.1%~99.9%                                  | ±(2%+2)    | ±(2%+2)    |

### Features

| Features          | MS8250A    | MS8250B | MS8250D |
|-------------------|------------|---------|---------|
| Display           | counts     | 4000    | 4000    |
| Auto Ranging      | ●          | ●       | ●       |
| Manual Ranging    | ●          | ●       | ●       |
| APO               | ●          | ●       | ●       |
| REL               | ●          | ●       | ●       |
| True RMS          | ●          | ●       | ●       |
| NCV               | ●          | ●       | ●       |
| Diode             | 1.5V       | 1.5V    | 3.2V    |
| Continuity Buzzer | <50Ω       | ●       | ●       |
| MAX/MIN           | ●          | ●       | ●       |
| Bar Graph         | ●          | ●       | ●       |
| Data Hold         | ●          | ●       | ●       |
| LBD               | ●          | ●       | ●       |
| Display Backlight | ●          | ●       | ●       |
| USB Interface     | Windows OS | ●       | ●       |

### General

|                   |                                                                            |
|-------------------|----------------------------------------------------------------------------|
| Power Supply      | 1×9V 6F22 Battery                                                          |
| Product Size      | 175mm×86mm×52mm/6.89"×3.38"×2.04"                                          |
| Product Weight    | 350g/0.77lb                                                                |
| Order Ref. Number | MS8250AC1SL MS8250BC1SL MS8250DC1SL                                        |
| Safety Rating     | CAT.IV 600V CAT.IV 600V CAT.IV 600V<br>CE(EMC+LVD) CE(EMC+LVD) CE(EMC+LVD) |