

## Basic Multimeter : MAS838

| Specifications | Range                                    | Resolution                             | Accuracy        |
|----------------|--|--|-----------------|
| DC Voltage     | 200mV/2V/20V/200V                        | 0.1mV/1mV/10mV/0.1V                    | $\pm(0.5\%+3)$  |
|                | 600V                                     | 1V                                     | $\pm(0.8\%+5)$  |
| AC Voltage     | 200V/600V                                | 0.1V/1V                                | $\pm(1.2\%+10)$ |
| DC Current     | 200 $\mu$ A/2mA                          | 0.1 $\mu$ A/1 $\mu$ A                  | $\pm(1.0\%+3)$  |
|                | 20mA                                     | 10 $\mu$ A                             | $\pm(1.0\%+5)$  |
|                | 200mA                                    | 0.1mA                                  | $\pm(1.5\%+5)$  |
|                | 10A                                      | 10mA                                   | $\pm(3.0\%+10)$ |
| Resistance     | 200 $\Omega$                             | 0.1 $\Omega$                           | $\pm(0.8\%+5)$  |
|                | 2k $\Omega$ /20k $\Omega$ /200k $\Omega$ | 1 $\Omega$ /10 $\Omega$ /0.1k $\Omega$ | $\pm(0.8\%+2)$  |
|                | 2M $\Omega$                              | 1k $\Omega$                            | $\pm(1.0\%+5)$  |
| Temperature    | -20 $^{\circ}$ C~0 $^{\circ}$ C          | 1 $^{\circ}$ C                         | $\pm(10\%+2)$   |
|                | 0 $^{\circ}$ C~400 $^{\circ}$ C          | 1 $^{\circ}$ C                         | $\pm(1.0\%+2)$  |
|                | 400 $^{\circ}$ C~1000 $^{\circ}$ C       | 1 $^{\circ}$ C                         | $\pm(2.0\%)$    |