



# DT-914

## AUTORANGING DIGITAL MULTIMETER

### Safety Instructions

| Input Limits                                    |                                                     |
|-------------------------------------------------|-----------------------------------------------------|
| Function                                        | Maximum Input                                       |
| V DC or V AC                                    | CATIII-600V DC /AC                                  |
| mA DC/AC                                        | 200mA/250V DC/AC                                    |
| A DC/AC                                         | 10A/250V DC/AC<br>(30 seconds max every 15 minutes) |
| Resistance, Diode test, Continuity, Temperature | 250V DC/AC                                          |

## General Specifications

|                                                                     |                                                                                 |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------|
| The instrument complies with                                        | EN61010-1                                                                       |
| Insulation                                                          | Class2, Double insulation                                                       |
| Overvoltage category                                                | CATIII 600V                                                                     |
| Display                                                             | 2000 counts LCD display with function indication                                |
| Polarity                                                            | Automatic, (-) negative polarity indication.                                    |
| Overrange                                                           | "OL" mark indication                                                            |
| Low battery indication                                              | The "BAT" is displayed when the battery voltage drops below the operating level |
| Measurement rate                                                    | 2 times per second, nominal                                                     |
| Auto power off                                                      | Meter automatically shuts down after approx. 15 minutes of inactivity           |
| Operating environment                                               | 0°C to 50°C (32°F to 122°F) at < 70 % relative humidity                         |
| Storage temperature                                                 | -20°C to 60°C (-4°F to 140°F) at < 80 % relative humidity                       |
| For inside use, max height                                          | 2000m                                                                           |
| Pollution degree                                                    | 2                                                                               |
| Power                                                               | One 9V battery, NEDA 1604, IEC 6F22                                             |
| Dimensions                                                          | 150 (H) x 70 (W) x 48 (D) mm                                                    |
| Weight: Approx.                                                     | 255g.                                                                           |
| Accuracy is given at 18°C to 28°C (65°F to 83°F), less than 70 % RH |                                                                                 |

## Electrical Specifications

## DC Voltage (Auto-ranging)

| Range   | Resolution | Accuracy             |
|---------|------------|----------------------|
| 200.0mV | 0.1mV      | ±0.5% of rdg ±2 dgts |
| 2.000V  | 1mV        | ±1.0% of rdg ±2 dgts |
| 20.00V  | 10mV       |                      |
| 200.0V  | 100mV      |                      |
| 600V    | 1V         | ±1.2% of rdg ±2 dgts |

Input Impedance : 10MΩ.  
Maximum Input : 600V dc rms.

## DC Current (Auto-ranging for uA and mA)

| Range   | Resolution | Accuracy             |
|---------|------------|----------------------|
| 200.0uA | 0.1uA      | ±1.0% of rdg ±3 dgts |
| 2000uA  | 1uA        | ±1.5% of rdg ±3 dgts |
| 20.00mA | 10uA       |                      |
| 200.0mA | 100uA      |                      |
| 10A     | 10mA       | ±2.5% of rdg ±5 dgts |

Overload Protection : 0.2A / 250V and 10A / 250V Fuse.  
Maximum Input : 200mA dc or 200mA ac rms on uA / mA ranges,  
10A dc or ac rms on 10A range.

## AC Voltage (Auto-ranging except 200mV)

| Range   | Resolution | Accuracy              |
|---------|------------|-----------------------|
| 200.0mV | 0.1mV      | ±1.5% of rdg ±30 dgts |
| 2.000V  | 1mV        | ±1.2% of rdg ±3 dgts  |
| 20.00V  | 10mV       | ±1.5% of rdg ±3 dgts  |
| 200.0V  | 100mV      |                       |
| 600V    | 1V         | ±2.0% of rdg ±4 dgts  |

Input Impedance : 10MΩ.  
Frequency Range : 50 to 60Hz  
Maximum Input : 600V dc/ac rms.

## AC Current (Auto-ranging for uA and mA)

| Range   | Resolution | Accuracy             |
|---------|------------|----------------------|
| 200.0uA | 0.1uA      | ±1.5% of rdg ±5 dgts |
| 2000uA  | 1uA        | ±1.8% of rdg ±5 dgts |
| 20.00mA | 10uA       |                      |
| 200.0mA | 100uA      |                      |
| 10A     | 10mA       | ±3.0% of rdg ±7 dgts |

Overload Protection : 0.2A / 250V and 10A / 250V Fuse.  
Frequency Range : 50 to 60 Hz  
Maximum Input : 200mA dc or 200mA ac rms on uA / mA ranges, 10A dc or ac rms on 10A range.



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QMS/019303/1120

### Electrical Specifications

#### Resistance (Auto-ranging)

| Range   | Resolution | Accuracy             |
|---------|------------|----------------------|
| 200.0Ω  | 0.1Ω       | ±1.2% of rdg ±4 dgts |
| 2.000kΩ | 1Ω         | ±1.0% of rdg ±2 dgts |
| 20.00kΩ | 10Ω        | ±1.2% of rdg ±2 dgts |
| 200.0kΩ | 100Ω       |                      |
| 2.000MΩ | 1kΩ        |                      |
| 20.00MΩ | 10kΩ       | ±2.0% of rdg ±3 dgts |

Input Protection : 250V

#### Temperature

| Range           | Resolution | Accuracy          |
|-----------------|------------|-------------------|
| -50°C ~ +1000°C | 1°C        | ±3% of rdg ±5dgts |
| -58°F ~ +1832°F | 1°F        | ±3% of rdg ±8dgts |

Sensor : Type K Thermocouple

Overload protection : 250V dc or ac rms.

#### Diode Test

| Test current  | Resolution | Accuracy            |
|---------------|------------|---------------------|
| 0.3mA typical | 1 mV       | ±10% of rdg ±5 dgts |

Open circuit voltage : 1.5V dc typical

Overload protection : 250V dc or ac rms.

#### Audible Continuity

Audible threshold : Less than 100Ω; Test

current : <0.3mA

Overload protection : 250V dc or ac rms.

#### Range Button

To switch the meter from AUTO-RANGE to MANUAL-RANGE

Mode and Vice Versa

#### Data Hold

Allows the meter to "freeze" a measurement for later

#### Max Hold Button

To Record the maximum displayed value.

### Accessories

Carrying Case, Testing Leads, Temperature Probe, Instruction Manual and Test Certificate.

Contact :

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