

# DATA SHEET

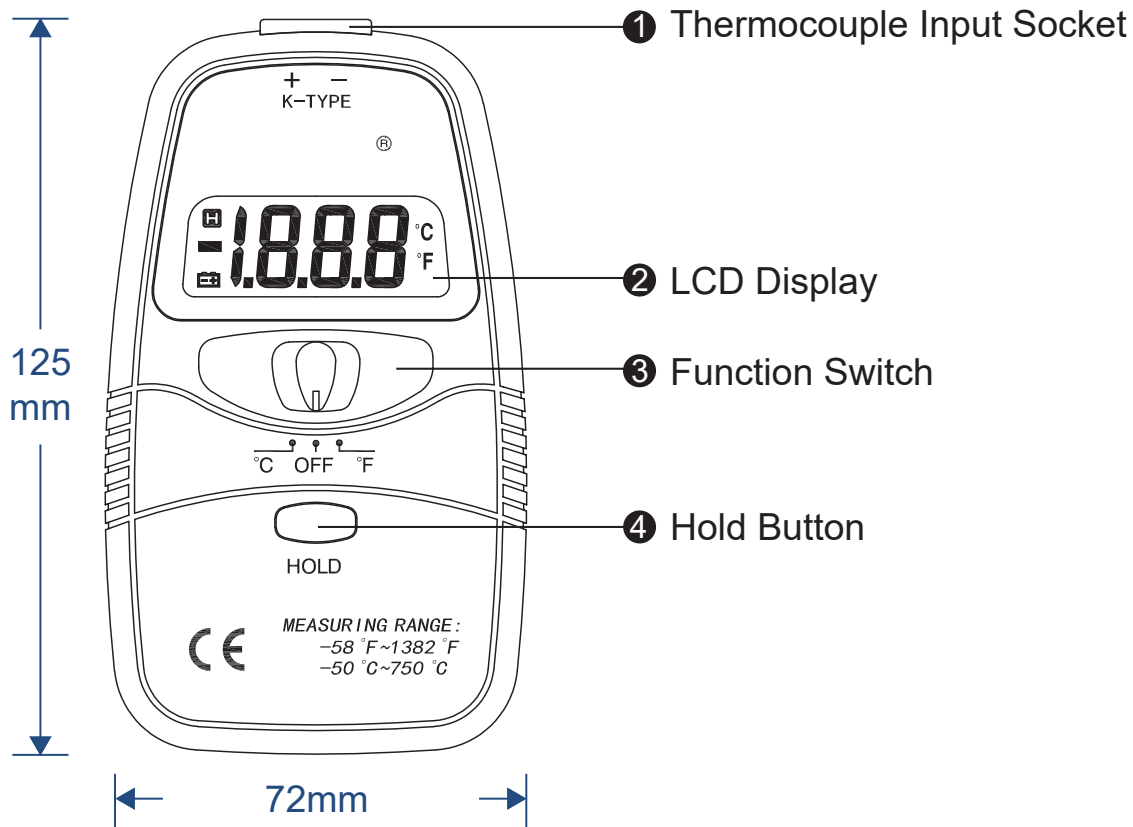
## DIGITAL THERMOMETER MS6500/MS6501

### PRODUCT HIGHLIGHTS



- Display Selection °C/°F
- Match any Standard Type K Sensor
- Fitted with Standard K Probe Socket
- High Accuracy
- Wide Measurement Range
- Low Power Consumption
- Data Hold
- Battery 9V (6F22) x 1

## 1. PANEL AND CONSTRUCTURE



## 2. LCD AND SYMBOL



- Display: 7-segment characters LCD
- Number of digits:  $3\frac{1}{2}$  / 1999 steps
- Overflow display: "I" is displayed
- Polarity display: "-" displayed automatically
- Sample rate: 2 times/sec for digital data

### 3. DIGITAL THERMOMETER SELECTION GUIDE

|                        | MS6500                    |            | MS6501                   |      |
|------------------------|---------------------------|------------|--------------------------|------|
| Range                  | -50°C~750°C, -58°F~1382°F |            | -50°C~150°C, -58°F~302°F |      |
| Accuracy               | -50°C~-40°C               | ±6°C       | -50°C~-40°C              | ±6°C |
|                        | -40°C~-20°C               | ±5°C       | -39.9°C~-20°C            | ±3°C |
|                        | -20°C~0°C                 | ±3°C       | -19.9°C~0°C              | ±2°C |
|                        | 0°C~500°C                 | ±0.75%±2°C | 0°C~99.9°C               | ±1°C |
|                        | 500°C~750°C               | ±1%±3°C    | 100°C~119.9°C            | ±3°C |
|                        |                           |            | 120°C~150°C              | ±5°C |
| Resolution             | 1°C / 1°F                 |            | 0.1°C / 1°F              |      |
| Sensor Type            | K type thermocouple       |            |                          |      |
| Sample Rate            | 2 times/sec               |            |                          |      |
| Max. Display           | 1999                      |            |                          |      |
| Impedance              | 10MΩ                      |            |                          |      |
| Display                | 4 digits LCD display      |            |                          |      |
| Data Hold              | •                         |            |                          |      |
| Low Battery Indication | •                         |            |                          |      |
| Power                  | 9V battery (6F22) x 1     |            |                          |      |
| Size                   | 125 x 72 x 25 mm          |            |                          |      |
| Weight                 | ~103g (without battery)   |            |                          |      |

### 4. GENERAL SPECIFICATIONS

| Function                       | Value                                                                     |
|--------------------------------|---------------------------------------------------------------------------|
| Operating temperature/humidity | 0°C~40°C, 32°F~104°F (<70% RH, non-condensing)                            |
| Storage temperature/humidity   | -10°C~60°C, 14°F~140°F (<80% RH, battery removed)                         |
| Operating principle            | Dual slop integration                                                     |
| Low battery indicator          | The "⎓" is displayed when the battery is under the proper operation range |
| Power supply                   | 9V (6F22) x 1                                                             |
| Dimension/weight               | 125(L) x 72(W) x 25(H) mm/Approx 103g (without battery)                   |

## 5. SCOPE OF SUPPLY

| Model Number  | Scope of Supply                    | Quantity |
|---------------|------------------------------------|----------|
| MS6500/MS6501 | Digital Thermometer                | 1 Piece  |
|               | TP-01 Thermocouple Probe with Plug | 1 Piece  |
|               | User Manual                        | 1 Piece  |
|               | Battery 9V (6F22)                  | 1 Piece  |
|               | Box                                | 1 Piece  |

## 6. APPLICATIONS



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