

## 1. TECHNICAL SPECIFICATIONS

Accuracy is given as  $\pm$  [% of reading + values] at 25 °C, <70%RH

### TEMPERATURE WITH TYPE K PROBE

| Range           | Resolution | Accuracy (*)                                                                        | Overload protection  |
|-----------------|------------|-------------------------------------------------------------------------------------|----------------------|
| -250°C ÷ 1372°C | 0.1°C      | $\pm(1\%rdg + 1^{\circ}C)$ (T<-99.9°C)<br>$\pm(1\%rdg + 0.5^{\circ}C)$ (T≥ -99.9°C) | 60V DC<br>24V AC rms |
| -418°F ÷ 2502°F | 0.1°F      | $\pm(1\%rdg + 1.8^{\circ}F)$ (T<-148°F)<br>$\pm(1\%rdg + 0.9^{\circ}F)$ (T≥ -148°F) |                      |

(\*) Accuracy is referred to the meter only without external probes

### TEMPERATURE WITH TYPE J PROBE

| Range           | Resolution | Accuracy (*)                                                                        | Overload Protection  |
|-----------------|------------|-------------------------------------------------------------------------------------|----------------------|
| -200°C ÷ 1000°C | 0.1°C      | $\pm(1\%rdg + 1^{\circ}C)$ (T<-99.9°C)<br>$\pm(1\%rdg + 0.5^{\circ}C)$ (T≥ -99.9°C) | 60V DC<br>24V AC rms |
| -328°F ÷ 1832°F | 0.1°F      | $\pm(1\%rdg + 1.8^{\circ}F)$ (T<-148°F)<br>$\pm(1\%rdg + 0.9^{\circ}F)$ (T≥ -148°F) |                      |

(\*) Accuracy is referred to the meter only without external probes

### TEMPERATURE WITH TYPE T PROBE

| Range          | Resolution | Accuracy (*)                                                                        | Overload Protection  |
|----------------|------------|-------------------------------------------------------------------------------------|----------------------|
| -250°C ÷ 400°C | 0.1°C      | $\pm(1\%rdg + 1^{\circ}C)$ (T<-99.9°C)<br>$\pm(1\%rdg + 0.5^{\circ}C)$ (T≥ -99.9°C) | 60V DC<br>24V AC rms |
| -418°F ÷ 752°F | 0.1°F      | $\pm(1\%rdg + 1.8^{\circ}F)$ (T<-148°F)<br>$\pm(1\%rdg + 0.9^{\circ}F)$ (T≥ -148°F) |                      |

(\*) Accuracy is referred to the meter only without external probes

## 2. GENERAL SPECIFICATIONS

### Mechanical characteristics

|                                           |                                |
|-------------------------------------------|--------------------------------|
| Dimensions of instrument (L x W x H):     | 190 x 65 x 45mm; (7 x 3 x 2in) |
| Weight of instrument (including battery): | 235g (8 ounces)                |
| Mechanical protection:                    | IP40                           |

### Power supply

|                         |                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------|
| Battery type:           | 1 battery 9V NEDA 1604 IEC 6F22 JIS 006P.                                                               |
| Low battery indication: |  symbol is displayed |
| Battery life:           | ca 50h (backlight ON), ca 210h (backlight OFF)                                                          |
| Auto power OFF:         | about 15 minutes of idleness                                                                            |

### Display

|                  |                                                 |
|------------------|-------------------------------------------------|
| Characteristics: | double 4 LCD, sign, decimal point and backlight |
| Sample rate:     | 3times/s                                        |

### Climatic conditions

|                        |                               |
|------------------------|-------------------------------|
| Reference temperature: | 25°C ; (77°F)                 |
| Operating temperature: | 0°C ÷ 50 °C ; (32°F ÷ 122°F)  |
| Operating humidity:    | <70%RH                        |
| Storage temperature:   | -10°C ÷ 60°C ; (14°F ÷ 140°F) |
| Storage humidity:      | <70%RH                        |
| Max height of use:     | (6562ft)                      |

This instrument satisfies the requirements of EMC Directive 2014/30/EU  
This instrument satisfies the requirements of European Directive 2011/65/EU (RoHS) and 2012/19/EU (WEEE)