



## DT-8891/8891A/8891B/ 8891C/8891D/8891E

Thermocouple Thermometers DT-8891/8891A/8891B/8891C/8891D/8891E contact thermometers offer fast response and laboratory accuracy. These thermometers work with K-type thermocouples and one IR temperature probe as temperature sensors, and offer 0.1 °C/0.1 °F resolution. Large backlit display shows any combination of T1, T2, T3, T1-T2 , T1-T3, T2-T3 plus MAX, MIN, AVG

Relative time clock on MAX, MIN and AVG provides a time reference for major events Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy Readout in °C, °F, or Kelvin (K) USB interface, USB to UART Bridge Controller(8891C/8891D/8891E) 18,000 records data logger per channel(8891C/8891E) Auto Power Off mode (Sleep mode) energy saver



| <b>Features:</b>                    |      |       |       |       |       |       |
|-------------------------------------|------|-------|-------|-------|-------|-------|
|                                     | 8891 | 8891A | 8891B | 8891C | 8891D | 8891E |
| User Selectable °C,°F, or K         | *    | *     | *     | *     | *     | *     |
| 0.1°C/0.1°F/0.1K resolution         | *    | *     | *     | *     | *     | *     |
| Type K Single input                 |      |       | *     |       |       |       |
| Type K Double inputs                | *    | *     |       | *     |       |       |
| Type K four inputs                  |      |       |       |       | *     | *     |
| IR temperature input                | *    |       | *     | *     | *     | *     |
| Max/Min/Avg Hold and Data Hold      | *    | *     | *     | *     | *     | *     |
| Differential Temperature            | *    | *     | *     | *     | *     | *     |
| Scan Function (T1,T2,T3,T1-T2.....) | *    | *     | *     | *     | *     | *     |
| LCD display with backlight          | *    | *     | *     | *     | *     | *     |
| Wide variety of interchangeable     | *    | *     | *     | *     | *     | *     |
| Thermocouple Probes                 | *    | *     | *     | *     | *     | *     |
| Auto Power Off                      | *    | *     | *     | *     | *     | *     |
| USB interface                       |      |       |       | *     | *     | *     |
| Data logging function               |      |       |       | *     |       | *     |

| <b>Specifications:</b>   |  |                        |                 |       |       |                 |                 |                 |
|--------------------------|--|------------------------|-----------------|-------|-------|-----------------|-----------------|-----------------|
|                          | Range                                  | Basic Accuracy         | 8891            | 8891A | 8891B | 8891C           | 8891D           | 8891E           |
| Type K                   | -200°C to 1372°C<br>(-328°F to 2501°F) |                        | T1,T2           | T1,T2 | T1    | T1,T2           | T1,T2,          | T1,T2,          |
|                          | Above-100°C (-148°F)                   | ±[0.15%rdg+1°C(1.8°F)] |                 |       |       |                 |                 |                 |
|                          | Blow -100°C (-148°F)                   | ±[0.5%rdg+2°C(3.6°F)]  |                 |       |       |                 |                 |                 |
| IR temperature           | -30°C to 550°C<br>(-22°F to 1022°F)    |                        | T3              |       | T2    | T3              | IR              | IR              |
|                          | Above-10°C(14°F)                       | ±[2.0%rdg+2°C(3.6°F)]  |                 |       |       |                 |                 |                 |
|                          | Blow -10°C(14°F)                       | ±5°C( 9.0°F)           |                 |       |       |                 |                 |                 |
| Type K-Type Ktemperature |  | ±[0.5%rdg+1°C(1.8°F)]  | T1-T2           |       | T1-T2 | T1-T2           | T1-T2,<br>T3-T4 | T1-T2,<br>T3-T4 |
| Type K-IR temperature    | IR temperature                         | ±[2.0%rdg+3°C(3.6°F)]  | T1-T3,<br>T2-T3 |       | T1-T2 | T1-T3,<br>T2-T3 | T1-IR,<br>T2-IR | T1-IR,<br>T2-IR |
|                          | Above-10°C(14°F)                       |                        |                 |       |       |                 |                 |                 |
|                          | IR temperature                         |                        |                 |       |       |                 |                 |                 |
| IR-Type K temperature    | IR temperature                         | ±[2.0%rdg+3°C(3.6°F)]  |                 |       |       |                 | IR-T3,<br>IR-T4 | IR-T3,<br>IR-T4 |
|                          | Above-10°C(14°F)                       |                        |                 |       |       |                 |                 |                 |
|                          | IR temperature                         |                        |                 |       |       |                 |                 |                 |
|                          | Blow-10°C(14°F)                        | ± 6°C( 9.0°F)          |                 |       |       |                 |                 |                 |

**Size(HxWxD):** 203mm x 75mm x 50mm

**Weight:** 280g

**Accessories :** 9V battery, Type K temp probe, IR temp probe(8891/8891B/8891C/8891D/8891E), USB cable(8891C/8891D/8891E), software(8891C/8891D/8891E), Carrying case and Gift box.