

# Инфракрасные термометры DT-810B, DT-820B, DT-820V, DT-821, DT-822, DT-827, DT-827V

## Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(727)345-47-04

Беларусь +375-257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: [mce@nt-rt.ru](mailto:mce@nt-rt.ru) || сайт: <https://cem.nt-rt.ru/>



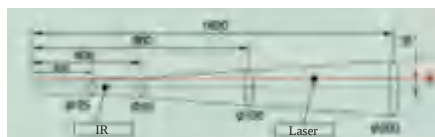
Worldwide Patent:  
PCT/CN2012/082197



EMC  
EN: 61326  
EN: 60825-1

Model 811/812

Distance (D) to Spot size(S)  
D:S=8:1



(Unit: mm)

810/810B/811/812 Series Low cost mini IR Thermometers provides non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects become easy with the bright laser beam. Even in the dark, the display is easy to read with the quality backlit.

- Unique flat surface, mini modern housing design
- Temperature measurements from -50.0°C to 500°C/-58.0°F to 932°F (812)
- Backlighting illuminates display for taking measurements at night or in areas with low background light levels
- Max / Min record
- User selectable °C or °F
- Overrange indication
- Auto Data Hold when trigger released

### Features

|                           | 810/810B/811/812 |
|---------------------------|------------------|
| User selectable °C or °F  | *                |
| Laser targeting           | *                |
| Automatic Data Hold       | *                |
| Auto Power Off            | *                |
| White Backlit LCD Display | *                |
| Overrange indication      | *                |
| Max / Min record          | *                |

### Specifications

|                    | 810                              | 810B                             | 811                              | 812                              |
|--------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Range              | -30°C to 260°C<br>-22°F to 500°F | -50°C to 500°C<br>-58°F to 932°F | -30°C to 380°C<br>-22°F to 716°F | -50°C to 500°C<br>-58°F to 932°F |
| Basic Accuracy     | ±2% of reading or ±2°C/±4°F      |                                  |                                  |                                  |
| Resolution         | 0.1°C/°F                         |                                  |                                  |                                  |
| Response Time      | Less than 1 second               |                                  |                                  |                                  |
| Optical Resolution | 8:1 Distance to Spot size        |                                  |                                  |                                  |
| Emissivity         | Fixed at 0.95                    |                                  |                                  |                                  |

Size(HxWxD): 131mm x 96mm x 35mm Weight: 130g

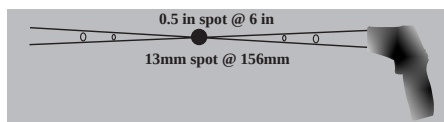
Accessories: 9V battery, Carrying case and Clamshell.

## DT-820/820B/820V/821/822 12:1/20:1 InfraRed Thermometers



Model 822

Distance (D) to Spot size(S)  
D:S=12:1



Accessories: 9V battery, Carrying case and Clamshell(Unit: mm)

820/820B/821/822/ Series mini IR Thermometers provide non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects become easy with the bright laser beam. Even in the dark, the display is easy to read with the quality backlit.

### Features

|                                                | 820B | 820V         | 820/821 | 822 |
|------------------------------------------------|------|--------------|---------|-----|
| User selectable °C or °F                       | *    | *            | *       | *   |
| Targeted scanning for higher/lower temperature |      |              | *       | *   |
| Dual laser targeting                           | *    | Single Laser | *       | *   |
| Automatic Data Hold                            | *    | *            | *       | *   |
| Auto Power Off                                 | *    | *            | *       | *   |
| Negativity display                             |      |              | *       | *   |
| Overrange indication                           | *    | *            | *       | *   |
| Max / Min record                               | *    | *            | *       | *   |
| Bluetooth                                      |      |              |         | *   |

### Specifications

|                       | 820B                             | 820V                             | 820                              | 821                              | 822                              |
|-----------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Range                 | -50°C to 500°C<br>-58°F to 932°F | -50°C to 500°C<br>-58°F to 932°F | -50°C to 500°C<br>-58°F to 932°F | -50°C to 650°C<br>-58°F to1202°F | -50°C to 800°C<br>-58°F to1472°F |
| Distance to Spot size | 10:1                             | 12:1                             | 12:1                             | 12:1                             | 20:1                             |
| Response Time         | Less than 1s                     |                                  | Less than 150 ms                 |                                  |                                  |
| Basic Accuracy        | ±2.0% of reading                 |                                  | ±1.0% of reading                 |                                  |                                  |
| Resolution            | 0.1°C/°F                         |                                  |                                  |                                  |                                  |
| Emissivity            | Fixed at 0.95                    |                                  |                                  |                                  |                                  |

Size(HxWxD): 131mm x 96mm x 35mm

Weight: 130g

DT-827/827V

12:1 InfraRed Thermometers



827/827V mini IR Thermometers provide non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects become easy with the bright laser beam. It allows you to read the measured data in dim environment with backli

| Features                    |              |      |
|-----------------------------|--------------|------|
|                             | 827          | 827V |
| User selectable °C or °F    | *            | *    |
| Dual laser targeting        | Single Laser | *    |
| Automatic Data Hold         | *            | *    |
| Auto Power Off              | *            | *    |
| Negativity display          |              | *    |
| Overrange indication        | *            | *    |
| MAX/MIN/DIF/AVG display     | *            | *    |
| High/Low temp. alarm/record | *            | *    |
| Backlight                   | *            | *    |
| Color LCD display           |              | *    |
| Adjustable emissivity       | *            | *    |

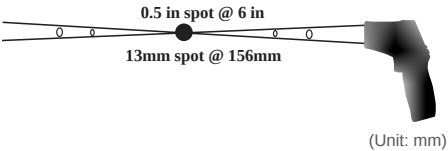
| Specifications        |                              |                                |
|-----------------------|------------------------------|--------------------------------|
|                       | 827                          | 827V                           |
| Temperature Range     | -50°C to 500°C/-58°F to 932° | -50°C to 760°C/-58°F to 1400°F |
| Distance to Spot size | 12:1                         |                                |
| Response Time         | Less than 500ms              |                                |
| Accuracy              | ±2% or ±2°C (3.6°F)          |                                |
| Resolution            | 0.1°C/°F                     |                                |
| Emissivity            | Adjustable 0.10~1.0          |                                |

Size(HxWxD): 131mm x 96mm x 35mm    Weight: 130g

Accessories: 9V battery, Carrying case and Clamshell.



Distance (D) to Spot size(S)  
D:S=12:1



(Unit: mm)



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Россия +7(495)268-04-70

Казахстан +7(727)345-47-04

Беларусь +375-257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: [mce@nt-rt.ru](mailto:mce@nt-rt.ru) || сайт: <https://cem.nt-rt.ru/>