

# ST-8862 Series

## Professional InfraRed Thermometer with Dual Laser Targeting

8860B/8861B/8861/8862 Series compact Infrared Thermometers provide much faster and accurate readings for most surface temperature measurements.

Two laser points converge to a single spot when the unit at the optimal distance from the object being measured (8861B/8861/8862/8862B).

Fast response time 0.15 sec.

Built-in Dual Laser Pointers focus target (calibrated distance) for high accuracy (1.0%) measurement.

Triple LCD display indicates Reading, Max Reading and Functions at the same time.

High contrast LCD with white backlight.

Dual molded housing design

### Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage

EMC  
EN: 61326, EN: 60825-1

ST-8862 Series



ST-8861



ST-8863

[Click on image for enlarged view](#)

### Features

|                                 | 8860B        | 8861B | 8861 | 8862 | 8862B | 8863 | 8865 |
|---------------------------------|--------------|-------|------|------|-------|------|------|
| User selectable °C or °F        | *            | *     | *    | *    | *     | *    | *    |
| Dual laser targeting            | Single laser | *     | *    | *    | *     | *    | *    |
| Automatic Data Hold             | *            | *     | *    | *    | *     | *    | *    |
| Auto Power Off                  | *            | *     | *    | *    | *     | *    | *    |
| White Backlit LCD Display       | *            | *     | *    | *    | -     | *    | *    |
| Overrange indication            | *            | *     | *    | *    | *     | *    | *    |
| Trigger lock for continuous use | -            | -     | *    | *    | *     | *    | *    |
| Max display                     | *            | *     | *    | *    | *     | *    | *    |
| High & low alarm                | -            | -     | *    | *    | *     | *    | *    |
| Adjustable emissivity           | -            | *     | *    | *    | *     | *    | *    |
| Optical resolution              | 12:1         | 12:1  | 12:1 | 12:1 | 12:1  | 20:1 | 30:1 |
| Blue backlight & beeper alarm   | -            | -     | -    | -    | *     | -    | -    |

Accessories: 9V battery, Carrying case and Gift box.

### Specifications

|                     | 8860B                              | 8861B                              | 8861                                | 8862/8862B                          | 8863                                | 8865                                 |
|---------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|
| IR Temp. Range      | -50°C to 450°C<br>(-58°F to 842°F) | -50°C to 450°C<br>(-58°F to 842°F) | -50°C to 550°C<br>(-58°F to 1022°F) | -50°C to 650°C<br>(-58°F to 1202°F) | -50°C to 800°C<br>(-58°F to 1427°F) | -50°C to 1000°C<br>(-58°F to 1832°F) |
| IR Temp. Resolution | 0.1° up to 1000°, 1° over 1000°    |                                    |                                     |                                     |                                     |                                      |
| Emissivity          | Fixed at 0.95                      |                                    | Adjustable 0.10~1.0                 |                                     |                                     |                                      |
| Basic Accuracy      | ± 1.0% of reading                  |                                    |                                     |                                     |                                     |                                      |
| Response Time       | Less than 150ms                    |                                    |                                     |                                     |                                     |                                      |
| Spectral response   | 8-14um                             |                                    |                                     |                                     |                                     |                                      |

Size (H x W x D): 146mm x 104mm x 43mm

Weight: 163g

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