

## INDUSTRIAL PYROMETER WITH CIRCULAR LASER **65 MAX** and **65 MAX +**

### INTRODUCTION

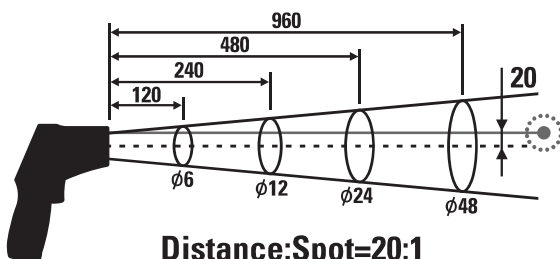
- The Metravi Pro 65 Max and Pro 65 Max+ are Contact cum Non Contact Industrial Pyrometers. The unique feature about the Pro 65 Max and Pro 65 Max+ is the Circular laser indicator, that shows the exact area being measured with the help of multiple lasers that clearly show the circumference of the exact area being measured.
- Now no need to guess or calculate the area you are measuring. The circular laser will show you the exact area you are measuring thus making your measurement more accurate, efficient and faster.
- The Pro 65 Max and Pro 65 Max+ also has Type K temperature thermocouple measurement feature so that you can also take contact temperatures.

### FEATURES

- Rapid detection function
- Precise non-contact measurements
- Circular laser sighting
- Unique flat surface, modern housing design
- IP54 rated for dust/water proof
- 2M drop tested
- Automatic data hold
- Emissivity Digitally adjustable from 0.10 to 1.0
- MAX, MIN, AVG, DIF temperature displays
- Backlight LCD display
- Automatic selection range and display resolution 0.1°C (0.1°F)
- Set high and low alarms
- Type - K input

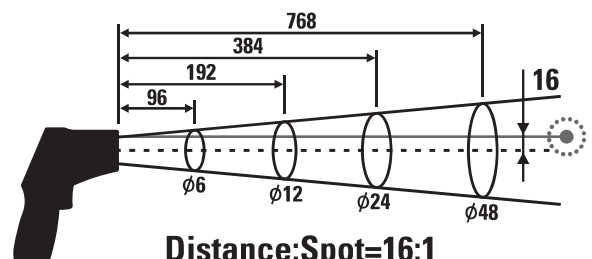
### DISTANCE & SPOT SIZE

- As the distance (D) from the object increases, the spot size (S) of the area measured by the unit becomes larger.
- The relationship between distance and spot size for each unit is listed below.
- The spot sizes indicate 90% encircled energy.



Distance:Spot=20:1

**65 Max +**



Distance:Spot=16:1

**65 Max**

———— Laser    - - - - - IR

## INDUSTRIAL PYROMETER WITH CIRCULAR LASER **65 MAX** and **65 MAX +**

### TECHNICAL SPECIFICATION

#### TK Temperature

|                    |   |
|--------------------|---|
| Range              | : -50 to 1370°C (-58 to 2498°F)   |
| Display Resolution | : 0.1°C (0.1°F)<1000; 1°C (1°F)>1000  |
| Accuracy           | : ±2°C (3.6°F) at -50 to 0°C (-58 to 32°F)<br>±0.5% of Reading ±1.5°C (3°F) at 0 to 1370°C (32 to 2498°F) |

#### Temperature

|       | 65 Max                          | 65 Max +                         |
|-------|---------------------------------|----------------------------------|
| Range | -50 to 800°C<br>(-58 to 1472°F) | -50 to 1000°C<br>(-58 to 1832°F) |
| D:S   | 16:1                            | 20:1                             |

|                       |   |
|-----------------------|---|
| Display Resolution    | : 0.1°C < 800°C; 0.1°F < 1000°F; 1°F > 1000°F <b>FOR 65 MAX</b><br>0.1°C < 1000°C; 0.1°F < 1000°F; 1°F > 1000°F <b>For 65 MAX +</b>   |
| Accuracy              | : Assumes ambient operating temperature of 23 to 25°C (73 to 77°F)<br>±3.5°C (6.3°F) at -50 to 20°C (-58 to 68°F)<br>±1.0% ±1.0°C (1.8°F) at 20 to 300°C (68 to 572°F)<br>±1.5% at 300 to 800°C (572 to 1472°F) <b>FOR 65 MAX</b><br>±1.5% at 300 to 1000°C (572 to 1832°F) <b>FOR 65 MAX +</b> |
| Repeatability         | : -50 to 20°C (-31 to 68°F) : ±1.8°C (3.2°F)<br>20 to 800°C (68 to 1472°F) : ±0.5% or ±0.5°C (0.9°F) <b>FOR 65 MAX</b><br>20 to 1000°C (68 to 1832°F) : ±0.5% or ±0.5°C (0.9°F) <b>FOR 65 MAX +</b>   |
| Response Time         | : 150ms   |
| Spectral Response     | : 8~14um  |
| Emissivity            | : Digitally adjustable from 0.10 to 1.0   |
| Over Range Indication | : LCD will show "-----"   |
| Polarity              | : Automatic (no indication for positive polarity);<br>Minus (-) sign for negative polarity  |
| Diode Laser           | : Output<1mW, Wavelength 630~670nm,<br>Class 2 laser product  |
| Operating Temp.       | : 0 to 50°C (32 to 122°F)   |
| Storage Temp.         | : -10 to 60°C (14 to 140°F)   |
| Relative Humidity     | : 10%~90%RH operating,<br><80% RH storage   |
| Power Supply          | : 2x1.5V AAA batteries  |
| Safety                | : "CE" Comply with EMC  |

