INTRODUCTION

The Metravi MT-2 is capable of non-contact temperature measurements at the touch of a button. The built-in laser pointer increases target accuracy while handy push buttons combine for convenient, ergonomic operation.

The Industrial pyrometer can be used to measure the temperature of an objects' surface that is difficult to be measured by traditional (contact) thermometer (such as moving object, the surface with electric current or the objects which are hard to be touched.)

FUNCTIONS

- Rapid detection function
- Precise non-contact measurements
- Single laser sighting
- Unique flat surface, modern housing design
- Automatic Data Hold
- "MAX/MIN" function
- Backlit LCD Display

Wide Range Applications

Food preparation, Safety and Fire inspections, Plastic moulding, Asphalt and Marine applications, Screen printing, measure Ink and Dryer temperatures, HVAC/R, Diesel and Fleet maintenance, etc.

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.
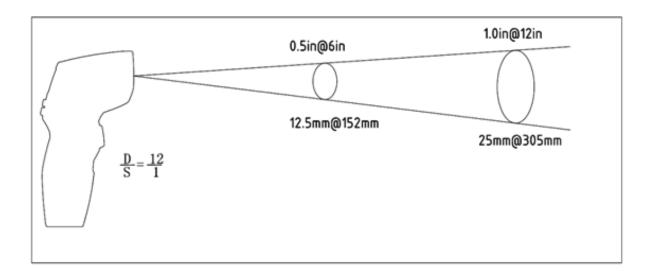
The distance to target / size of IR focal spot ratio is 12:1. With a distance of 12 cm to the target, the size of the IR focal spot is thus 1 cm.

*Technical Specifications & Appearance are subjet to change without prior notice

SPECIFICATIONS

Temperature Range and D: S : -50°C to 550°C (-58°F ~ 1022°F) & 12 : 1

Display Resolution : 0.1°C (0.1°F)

Emissivity : Fixed at 0.95

Accuracy for Targets:

-50°C ~ 20°C (-58°F ~ 68°F)   ±3°C (5.4°F)

20°C ~ 550°C (68°F ~ 1022°F) ±2.0% ±2°C (3.6°F)

Repeatability: ±1°C(1.8°F)

Response Time : 500ms

Spectral Response : 8~14um

Over Range Indication : LCD will show "   "

Diode Laser Output : <1mW, Wave length 630 ~ 670nm, 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,

                <80%RH storage

Power supply: 9V battery, NEDA 1604A or IEC 6LR61, or equivalent