

PASPORT NON-CONTACT TEMPERATURE SENSOR

This guide covers the major features of this product - it does not cover all of the available functions. This guide is not intended to replace the original equipment manual. Please refer to the manual for more detailed operating instructions and safety information.

EQUIPMENT DESCRIPTION

The PASPort Non-Contact Temperature Sensor [1] measures surface temperature by detecting infrared light emitted by objects and works in conjunction with the Xplorer GLX. The warmer an object, the more infrared light it emits. This enables the user to measure the temperature of an object very quickly, without touching it.

The Non-Contact Temperature sensor has a range from -70°C to 380°C.

Temperature can be measured in:

- Celsius (°C)
- Fahrenheit (°F)
 - Fahrenheit = [Celsius x 1.8] + 32
- Kelvin (K)
 - Kelvin = Celsius + 273.15

This manual covers the functions and range of the sensor. For use of the Xplorer GLX, please view the associated manual.



Figure 1: PASPort Non-Contact Temperature Sensor

EQUIPMENT OPERATION

1. Connect the sensor to one of the four available ports on top of the Xplorer GLX [2], or use the available extension cord between the GLX and the sensor [3].
2. An optional handle can be screwed into the side of the sensor [4]



Figure 2: Ports on Top of GLX



Figure 3: Sensor Extension Cable



Figure 3: Handle Attachment

3. Point the aperture [5] of the sensor towards the surface or object to be measured. Ensure that the object fills the sensor's field of view [6]. Smaller objects need to be closer to the sensor

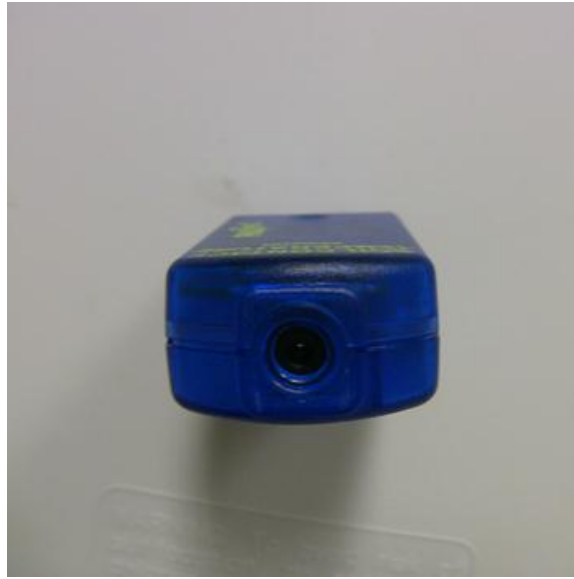


Figure 5: Aperture

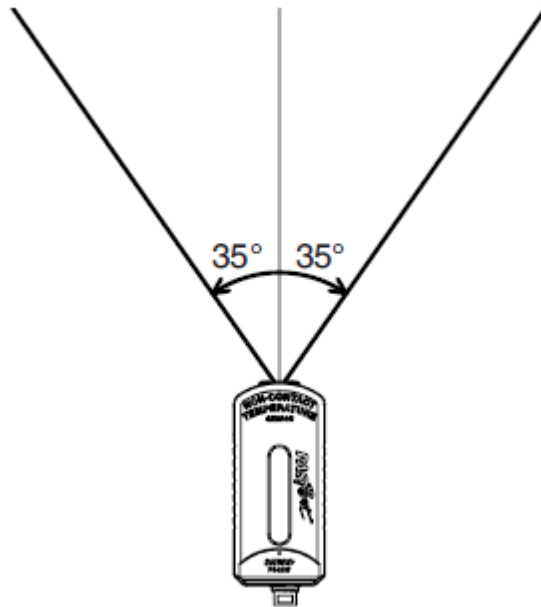


Figure 6: Field of View