## Industrial infrared Thermometer AR330

Introduction:

Compact,rugged and easy to use,Just aim and push the button,read current surface temperatures in less than a second. Safe ty measure surface temperatures of hot hazardo-us or hard to reach objects without contact.

How is works:

Infrared thermometer measures the surface temperature of an object. The unit's optics sense emitted, reflected, and transmit ted energy which is collect and focused onto a detector. The unit's electronics translate the information into a temperature r eading which is displayed on the unit. For increased ease and accuracy the laser pointer makes aiming even more precise.

Cautions:

Infrared thermometer should be protected for the following:

EMF(electro-magnetic fields) from ar weld-ers, induction heaters.

Thermal shock(cause by large or abrupt ambi-ent temperature changes allow 30 mintues for unit to stabilize before use). Do not leave the unit on or near objects of high temperature.

Warning:

Do not point laser directly at eye or indirectly off reflective surfaces.

1. When take measurement, point thermometer toward the object to be measured and hold the yellow trigger, the object und er test should be larger than the spot size calculated by the field of view diagram.

2. Distance&spot size:As the distance from the object increase,the spot size of measuring area becomes larger.

3. Field of view:make sure the target is larger than the unit's spot size. The smaller the target the closer measure distance. When accuracy is critical,make sure the target is at least twice as large as the spot size.

4. Emissivity:Most organic materials and painted or oxidized surfaces have an emissivity of 0.95(preset in the unit).Inaccurat e readings will result from measuring shiny or polished metal surfaces. To compensate,cover the surface to be measured wit h masking tape or flat black paint. Measured with masking tape or flat black paint. Measured with masking tape or flat black paint are the tape or painted surface when the tape or painted reach the same temperature as the material underneath.