

## NON-CONTACT INFRARED THERMOMETER

### On-line type

#### Application:

Mainly used in metallurgy, forging, petrochemicals, railways, electrical power, mechanical manufacturing and etc, fields.

#### How it works:

Infrared thermometer measures the surface temperature of an object. The unit's infra-red sensor sense radiation energy which is collect and focused onto a detector. The unit translate the information into a temperature reading which is displayed on the unit. For increased ease and accuracy the laser pointer makes aiming even more precise.

Online series of infrared thermometers in this series, with a standard RS232 interface with computers, by supporting computer communication software for real-time measurements or measured data of comparing and analysis.

RS232 Data cable



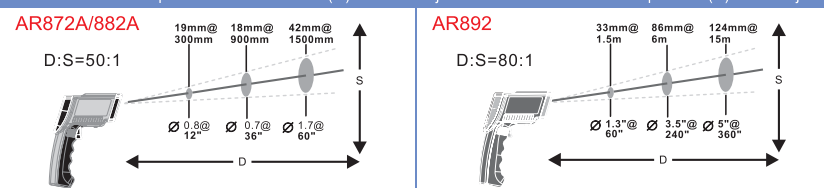
CD-ROM  
(Contains communication software)  
Applicable operation system: Windows 95/98/  
NT4.0/Me/2000/XP/2003



### Don't use in following location

- EMF fields (electromagnetic field) like welding machines, heaters, etc.
- Environmental temperature changes caused by thermal shock, if so we need to wait for 30 minutes before use.
- Do not put the unit in high temperature places.

Ratio of distance & spot D:S — the distance (D) from the object to be measured and the spot size (S) of the object



### Technical Specifications

General Features & Specifications	AR-872A	AR-882A	AR-892
Temperature Range	-50°C~1450°C (-58°F~2642 °F)	-50°C~1650°C (-58°F~3002°F)	-50°C~1850°C (-58°F~3362°F)
Accuracy	±1.5% or 1.5°C	±1.5% or 1.5°C	±1.5% or 1.5°C
Distance Spot Ratio	50:1	50:1	80:1
Emissivity	0.10~1.00 adjustable	0.10~1.00 adjustable	0.10~1.00 adjustable
Resolution	0.1°C or 0.1°F (<1000°C) 1°C or 1°F (≥1000°C)	0.1°C or 0.1°F (<1000°C) 1°C or 1°F (≥1000°C)	0.1°C or 0.1°F (<1000°C) 1°C or 1°F (≥1000°C)
Response Time & Wavelength	500ms & (8-14)um	500ms & (8-14)um	500ms & (8-14)um
Repeatability	±1% or 1°C	±1% or 1°C	±1% or 1°C
Average & Difference Function	✓	✓	✓
Max & Min Function	✓	✓	✓
High Low Temperature Alarm Setup	✓	✓	✓
Data Store/Recall Function	✓	✓	✓
?/ ?Selection	✓	✓	✓
Data Hold Function	✓	✓	✓
Laser Target Pointer Selection	✓	✓	✓
RS232/USB Input Interface	RS232	RS232	RS232
Corresponding Analyzing Software	✓	✓	✓

### Packing Information:

General Characteristics & Packing Information	AR-872A	AR-882A	AR-892
Power	9V Alkaline Battery	9V Alkaline Battery	9V Alkaline Battery
Product Net Weight	480g	480g	480g
Product Size	220*134*60mm	220*134*60mm	220*134*60mm
Packing	Gift box	Gift box	Gift box
Standard Quantity Per Carton	12	12	12
Standard Carton Size	52.5*45.5*34.0cm	52.5*45.5*34.0cm	52.5*45.5*34.0cm
Standard Carton Gross Weight	10.1kg	10.1kg	10.1kg