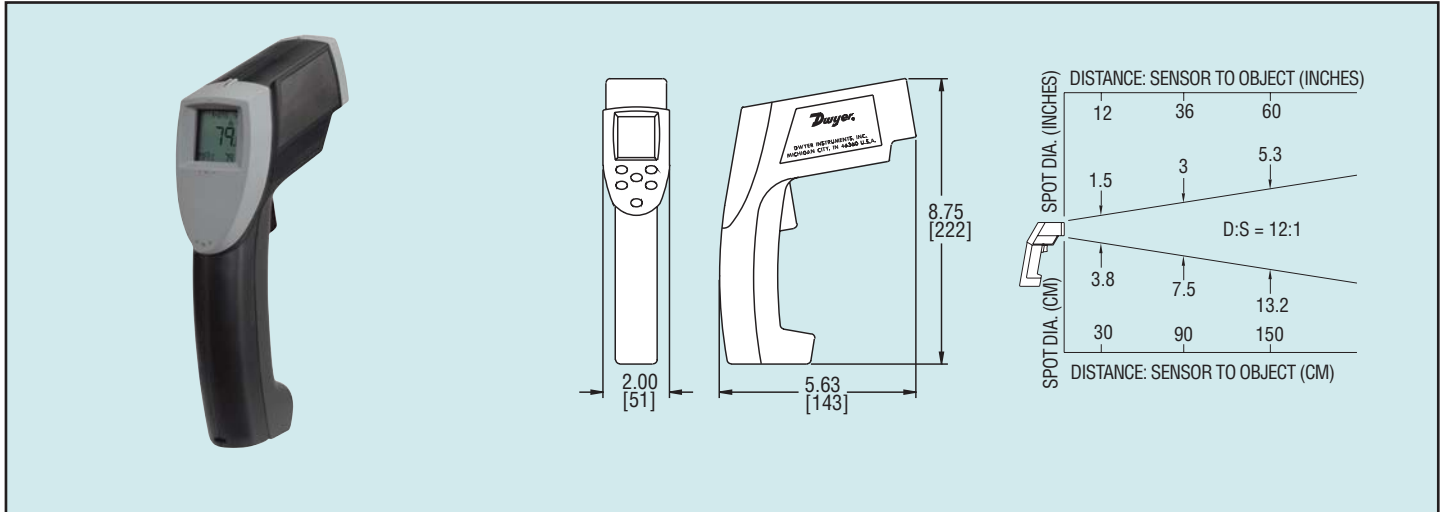




Series
IR

Infrared Temperature Thermometer

Laser Sighting, Adjustable Emissivity, Datalogger



Temperature

Take fast, easy and safe temperature measurements with the Series IR Infrared Thermometers. The IR450-1 offers single point laser sighting and a fixed emissivity at 0.95 to accurately measure concrete, asphalt, rubber and oxidized metals. Models IR600-1 and IR700-1 combine advanced infrared technology with powerful optics to take noncontact temperature measurements of the most demanding applications.

Model IR600-1 offer a 30:1 distance to target ratio while Model IR700-1 offers a ratio of 50:1. The 4-digit backlit LCD displays the current temperature readings as well as the minimum, maximum, differential as average temperatures. Both models feature a unique bright single point laser sighting, and 12-point datalogging capability. All Series IR offer selectable °F or °C and include a hard carry case.

SPECIFICATIONS

Accuracy: $\pm 1\%$ or $\pm 2^\circ\text{F}$ ($\pm 1^\circ\text{C}$) whichever is greater.

Emissivity: 0.95 fixed or adjustable.

Distance-to-Target Size Ratio: See table.

Laser Classification Single Point: 1 mW, meets FDA Class II requirements.

Display: 4-Digit.

Resolution: 0.5°F (0.2°C).

Response Time: 500 ms.

Ambient Operating Temp: 32 to 150°F (0 to 50°C), 10-95% RH.

Power Requirements: One 9V alkaline battery or NiCad Battery.

Average Battery Life: Approximately 10 hrs with laser and backlight on.

Repeatability: $\pm 0.5\%$ of reading or $\pm 2^\circ\text{F}$ ($\pm 1^\circ\text{C}$) whichever is greater.

Spectral Response: 8 to $14\mu\text{m}$.

Weight: 11 oz (320 g).

Agency Approvals: CE.

MODELS

Model Number	Temperature Range	Distance-to-Target Ratio	Emissivity
IR450	-25 to 950°F (-32 to 545°C)	12:1	Fixed
IR600-1	-25 to 1100°F (-32 to 600°C)	30:1	Adj.
IR700-1	-25 to 1400°F (-32 to 760°C)	50:1	Adj.

ACCESSORIES

Model IR8C Protective Plastic Hardcase

Model IR8SC Nylon Soft Case with integral belt loop

* NIST certified models add suffix N to model number