

## Infrared Thermometers

Infrared radiation emitted from an object depends on its temperature. The new **HANNA** instruments® HI 99551 and HI 99556 infrared thermometers employ this technology to measure the surface temperature. Infrared measurements are extremely practical with a fast response time, typically around 1 second. Another main advantage is the non-intrusive nature of the measurement. This latter feature is particularly attractive in the food industry since it translates itself into substantial savings by leaving products intact, especially those sealed or pre-wrapped. In order to measure the temperature, simply point to the product or the spot and hold down the measurement key. The measured value will be immediately displayed on the LCD. This type of non-intrusive measurement is also useful when the surface temperature is high, for difficult-to-reach places or due to hygiene requirements. The way the **HANNA** instruments® HI 99551 and HI 99556 are designed with the wrist-strap and the HOLD feature further enhances their utility. With these features coupled with their fast response time, these **HANNA** instruments® meters are particularly attractive for food distribution, retailing and supermarkets. The operator responsible for checking the temperature can perform more measurements during the same time frame. Both HI 99551 and HI 99556 run on a common 9V battery with low battery indication on the display. The optional **HANNA** instruments® rubber boots will make the meters truly shockproof and add to their versatility.



### Specifications

<b>HI 99551 • HI 99556</b>		
Range	IR	-10 to 300°C ('-00' models); -20 to 199.9°C ('-10' models)
	Probe	-40 to 150°C (HI 99556 only)
Resolution	IR	1°C ('-00' models); 0.1°C ('-10' models)
	Probe	0.1°C
Accuracy	IR	±2% o ±2°C
	Probe	±0.5°C ( -20 to 120°C); ±0.5°C+1% (outside)
IR Response Time		1 second
Optic IR Coefficient		3:1 (ratio of distance to diameter of target)
Min. Distance		30 mm
Probe		HI 765PW (included) (HI 99556 only)
Battery		1 x 9V
Environment		0 to 50°C (32 to 122°F); RH max 95%
Dimensions		143 x 80 x 38 mm (5.6 x 3.1 x 1.5")
Weight		320 g (11.3 oz.)

### Ordering Information

All the models are supplied complete with battery and instruction manuals.

HI 99551-00, °C readings, IR sensor, -10 to 300°C

HI 99551-01, °F readings, IR sensor, -14 to 572°F

HI 99551-10, °C readings, IR sensor, -20.0 to 199.9°C

HI 99556-00, °C readings, IR sensor, termistor input, IR range -10 to 300°C, stainless steel probe HI 765PW

HI 99556-01, °F readings, IR sensor, termistor input, IR range 14 to 572°F, supplied complete with stainless steel probe HI 765PW

HI 99556-10, °C readings, IR sensor, termistor input, IR range -20.0 to 199.9°C, supplied complete with stainless steel probe HI 765PW

### Accessories

HI 710004	Soft carrying case	HI 731318	Sensor wipe tissue (4 pcs)
HI 721316	Rugged carrying case	HI 765PW	Temperature probe for HI 99556