HI99551 · HI99556

Infrared Thermometers for the Food Industry

- HOLD
  - HOLD Feature
- Battery indicator
  - Battery life indicator on startup
- External probe can also be used (HI99556)

The HI99551 and HI99556 thermometers employ infrared technology to measure surface temperatures. Infrared readings are extremely fast, with a response time typically around one second.

One big advantage of these meters is the non-intrusive nature of measurements. This feature is particularly attractive for food distribution, retailing and markets, since it translates practicality into savings by leaving products intact, especially those sealed or pre-wrapped.

In order to measure the temperature, simply turn on the meter and point to the product or target. Readings are displayed on the LCD. This type of non-intrusive measurement is also useful when the surface temperature is too high to approach, for difficult to reach places or for hygiene requirements.

If you must check the core temperature in addition to surface measurement, the HI99556 is the ideal solution for you. Simply attach the external probe to the meter and you have a 2-in-1 infrared-thermistor thermometer.

A HOLD function freezes the display to allow the user time to record readings.

Specifications		HI99551-00 / HI99556-00	HI99551-10 / HI99556-10
Range	IR	-10 to 300°C	-20.0 to 199.9°C
	Probe (HI99556 only)	-40 to 150°C	-40 to 150.0°C
Resolution	IR	1°C	0.1°C
	Probe (HI99556 only)	1°C	0.1°C
Accuracy	IR	±2% of reading or ±2°C	±2% of reading or ±2°C
	Probe (HI99556 only)	±0.5°C (-20 to 120°C); ±0.5°C +1% reading (outside)	±0.5°C (-20 to 120°C); ±0.5°C +1% reading (outside)
IR Sensor Response Time		1 second	
IR Sensor Optic Coefficient		3:1 (ratio of distance to target diameter)	
Minimum Distance		30 mm (1.2")	
Probe (HI99556 only)		HI765PW general purpose/penetration, stainless steel thermistor temperature probe with white handle and 1 m (3.3') cable (included)	
Battery Type / Life		9V / approximately 150 hours of continuous use	
Environment		0 to 50°C (32 to 122°F); RH max 95%	
Dimensions		143 x 80 x 38 mm (5.6 x 3.2 x 1.5")	
Weight		320 g (11.3 oz.)	

Ordering Information

HI9955 [x] – [y]

x = 1	meter with IR sensor	y = 00	IR range from -10 to 300°C
x = 6	meter with IR sensor and HI765PW probe (40 to 150°C range)	y = 10	IR range from -20 to 199.9°C

Probes

HI765PW — General purpose/penetration, stainless steel thermistor temperature probe with white handle and 1 m (3.3') cable

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