

Infrared thermometer

for cutaneous tail temperature evaluation in rodents



PRODUCT OVERVIEW

The 153-IRB Thermometer was designed to measure cutaneous temperature in small rodents in a very fast and accurate manner.

With the 153-IRB Thermometer, the optical dimension and the position of the IR sensor were adjusted in order to allow measurements on very small surfaces without influence of environment temperature, which can be the case with other industrial type Infra red thermometers. This thermometer thus allows easy measurements even on mice tails - with high accuracy and repeatability!

The 153-IRB thermometer is especially accurate on a temperature range from 25 to 40 °C and will prove to be useful for other lab applications as well.

The measurement through the animal fur is not recommended because it may include the ambient air caught in the hair, thus creating important measurement variations. It's therefore advisable to measure on naked surfaces like skin, tail, nose, genital area...

Strong movements may cause variability, it's advisable to measure on stable skin surface.

APPLICATIONS

Thermoregulation, fever, hot flushes, menopausa, drug screening, phenotyping

Key Features

- Allows measurements on very small surfaces
- No physical contact required
- Easy measurements even on mice tails
- Highly accurate and repetitive
- Fast reading

SPECIFICATIONS	for room temperature of 15 to 25°C
Resolution	0.1°C
Accuracy	0.3°C from 25 to 40°C
Accuracy outside 25-40°C range	1% or ±1°C
Global Measurement Range	-20°C to +200°C
Distance Ratio	1:1.5
Min. distance to object	from 0 mm
Min. measurement size	3 mm
Emissivity	fixed, undisclosed value

ORDERING INFORMATION

BSBIO153IRB	76-0119	Infrared thermometer
OPTION	76-0120	Calibration certificate - Upon request

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