

Infrared thermometer



Very fast and contactless, infrared temperature measurement for small rodents (mouse and rat) - specially design to allow measurements on small surface, like the tail of a mouse, with high accuracy and repeatability.

Product codes:

Reference: BIO-IRB153

Product description:

The 153-IRB Infrared Thermometer was designed to measure cutaneous temperature of small rodents (mouse and rat) **very fast and contactless**. It is a **reliable and non-invasive** method to measure the skin temperature and can then be correlated to the rectal temperature.

With the 153-IRB Infrared Thermometer, we especially focused on the optical dimension and the position of the IR sensor in order to allow measurements on very small surfaces without allowing the sensor to get wrong values with integration of environment temperature, which can be the case with other industrial type infrared thermometers. This thermometer thus allows **easy measurements even on mice tails** - with high accuracy and repeatability.

It is important to emphasize that *this thermometer does not replace a rectal one*: the cutaneous measurement should be correlated with usual rectal temperatures (see our BRET2 and 3 Rectal Probes for rodents).

In case of doubt about its interest in your applications, do not hesitate to contact us.

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.

Please note that it is impossible to provide correlation tables between skin and rectal

temperatures, as the correlation depends on the animals, their stress, etc.

Product features:

Accuracy: 0,3°C from 25 to 40°C

Resolution: 0,1°C

Measuring range: 1% +/- 1°C Global measurement range -20°C to +200°C

Available models