Abstract

To provide a radiation thermometer capable of measuring a body temperature more accurately than it has been conventionally possible, by taking into account an infrared ray that is emitted from a front end of the probe portion and reflected from an eardrum or an external acoustic opening. The radiation thermometer has body temperature calculating means for calculating a body temperature according to a predetermined arithmetic expression based on an emissivity when the emissivity of the eardrum or the external acoustic opening is less than 1, an output of infrared-ray detecting means and an output of temperature-measuring means.