ABSTRACT

The radiation clinical thermometer of the present invention is provided with a light guide tube 15 to guide the infrared radiation from the temperature-measured object, a first infrared sensor 10 for detecting the infrared radiation from the light guide tube 15, a temperature sensitive sensor 12 which generates a reference temperature signal, a reference cavity 17 which has approximately the same temperature condition as the light guide tube 15 and is sealed so as to shut out infrared radiation from outside, a second infrared sensor 11 for detecting the infrared radiation from the reference cavity 17, a temperature computing means 13 for calculating temperature in accordance with the signals from the first infrared sensor 10 and the second infrared sensor 11, and temperature sensitive sensor 12, and a display unit 14 for displaying temperature in accordance with the signal from the temperature computing means 13; and at least either the light guide tube 15 or the reference cavity 17 is tapered off toward the emission inlet of the light guide tube 15 from the first or second infrared sensor 10 or 11 side.