

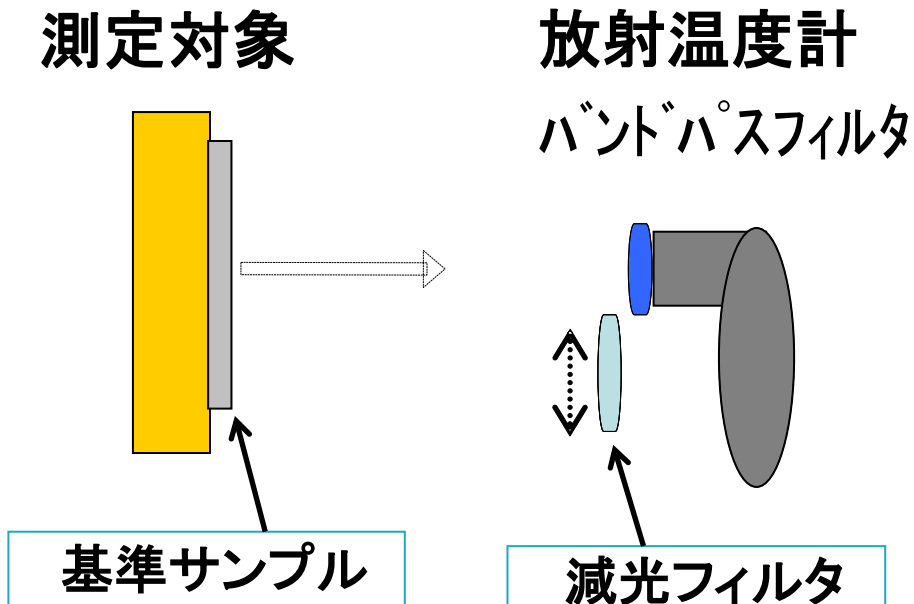
放射率の設定なしの 広レンジ放射温度計 PM-T1

放射温度計PM-T1は、低温から高温において放射率が常に1になるChristiansen効果を適用したJAXA宇宙科学研究所の成果から考案された広範囲の温度測定器です。

発明の名称	温度測定方法及び当該方法を用いた温度測定装置
特許番号	2008-045923号
発明の名称	Method of Temperature Measurement and Temperature- Easuring Device using the Same
特許番号	Patent No. : US 7,591,586, B2, Date of Patent : Sep.22, 2009

PM-T1の構成

PM-T1の構成は、測定対象の表面に貼り付けるChristiansen効果を持つ基準サンプル、Christiansen波長のみを透過するバンドパス・フィルタ付放射温度計から成っています。



Radiation Thermometer PM-T1 Without Setting The Emissivity

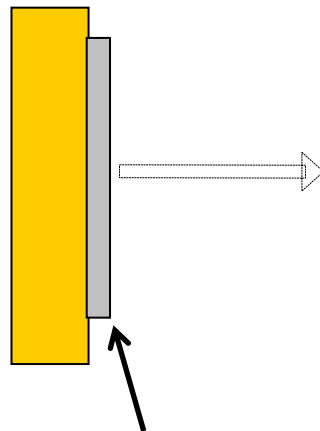
Radiation thermometer PM-T1 is a wide range of temperature measuring instrument was designed from JAXA ISAS of applying the Christiansen effect .

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Configuration of PM-T1

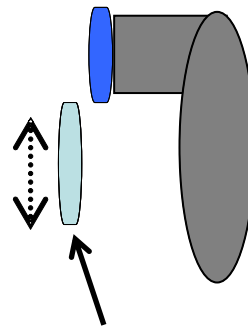
PM-T1 consists of a standard sample with Christiansen effect, a narrow band-pass filter with Christiansen wavelength and a dimmer filter, radiation thermometer.

Measurement
Sample



Standard Sample

Radiation Thermometer
with Narrow Band-pass Filter



Dimmer Filter