

TP5-BL

热释电探测器的激光功率测量高达 0.5 mW。



产品系列主要特性

SPECTRALLY FLAT RESPONSE

These radiometers were developed for NIST, to be used with a broadband spectrometer to act as a spectral transfer standard when calibrating other detectors in the 0.25 to 15 μm range.

TEMPERATURE CONTROLLED POWER MEASUREMENT

Each head is composed of a low noise detector, thermistor, TE cooler and heatsink to compensate for any temperature change

THE ULTIMATE CHOICE IN MEASUREMENT STABILITY

Temperature control down to 0.05°C from 20 to 30°C gives a temperature coefficient <0.01 %, thus a voltage output stable to 0.01 %

2 SIZES AVAILABLE

- TP5-BL: 5 mm \varnothing pyroelectric sensor with organic black coating
- TP9-BL: 9 mm \varnothing pyroelectric sensor with organic black coating

TO BE USED WITH THE STEP-CONTROLLER

Plug your TP sensor into the STEP-Controller for power supply and temperature control. You can then use the analog output with a scope or lock-in

兼容性支架

[STAND-D-233](#)

规格

| 测量能力 | |
|-------------------------|-------------------------------|
| 最大平均功率(连续) | 500 μW |
| 噪声等效功率 | 5 nW |
| 光谱范围 | 0.25 - 15 μm |
| 典型升起时间 | 0.2 s |
| 功率校准不确定性 | $\pm 2.5\%$ |
| 斩波器频率 ¹ | 10 Hz, 50% duty cycle |
| 1. 单独售卖 SDC-500 数字光学斩波器 | |
| 损坏阈 | |
| 最大平均功率密度 | 50 mW/cm ² |
| 物理特性 | |
| 孔径 | 5 mm |
| 吸收器 | BL |
| 尺寸 | 50.8 \varnothing X 48.3D mm |
| 重量 | 0.227 kg |
| 订购信息 | |
| TP5-BL | |

规格如有更改, 恕不另行通知。有关完整规格, 请参阅用户手册。

对这个产品感兴趣吗?

获得报价

通过 gentec-eo.cn/contact-us 找到您的本地销售代表