Berührungslos Temperatur messen
mit *Infratherm* Pyrometern

IMPAC Infrared GmbH
Temperaturmessgeräte

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IN 5/5-L *plus*

数字式、高精度、坚固型

zertifiziert ISO 9001:2000 IMPAC Infrared

测量光点直径非常小的数字式红外测温仪，用于测量玻璃表面的温度
(IN 5 plus . IN 5/5 plus的补充资料)

- **3个测量光点极小的镜头可供选择**
- **响应时间** 80 ms
- **激光导向灯**
- 2 **个测温范围**
- **RS232 接口或 RS485（选择项）**

测温范围

基本 测温范围: 200 ... 1300°C		
镜头	接口	
	RS232	RS485
105	3 871 660	3 871 670
370	3 871 680	3 871 690
800	3 871 700	3 871 710

基本 测温范围: 400 ... 2500°C		
镜头	接口	
	RS232	RS485
105	3 871 720	3 871 730
370	3 871 740	3 871 750
800	3 871 760	3 871 770

NETD

测量 温度	NETD σ = 1 bei t_{90}= 80 ms	NETD σ = 1 bei t_{90}= 1 s
300°C	1,5°C	0,4°C
500°C	0,6°C	0,2°C

发射率 = 1, $T_{Umg.}$ = 23°C

测量精度与被测物体温度及环境温度有关

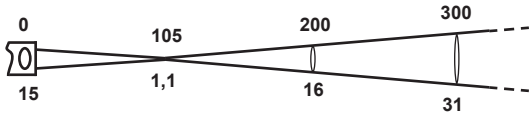
(ε = 1, t_{90}= 1 s):

T_U / T	15 ... 30°C	0 ... 15°C 或 30 ... 63°C
200...1300°C	测量值的0.8% 或 3°C *)	测量值的1% 或 4°C *)
1300...1800°C	测量值的1%	测量值的1%
1800...2500°C	测量值的1.2%	测量值的1.3%

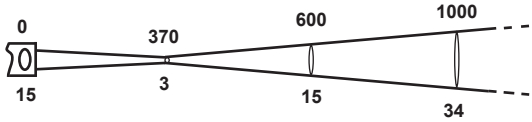
在进行测量前，仪器要在环境温度下放置30分钟

*)取较大值为有效值.

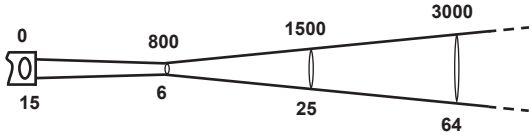
测量距离 a [mm]
Optik 105
测量光点直径 M [mm]



测量距离 a [mm]
Optik 370
测量光点直径 M [mm]



测量距离 a [mm]
Optik 800
测量光点直径 M [mm]



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Non-contact thermometry best done with *infratherm* pyrometers

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Temperature Measurement

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IN 5/5-L *plus*

Digital, precise, compact

certified ISO 9001:2000 IMPAC Infrared

Digital pyrometer with very small spot sizes for measurements of glass surfaces (Additional data sheet to „IN 5 plus · IN 5/5 plus“)

- 3 optics with very small spot sizes
- Response time 80 ms
- Laser targeting light
- 2 temperature ranges
- Serial interface RS232 or RS485 optional

Reference numbers:

Temperature range: 200 ... 1300°C		
Optics	Interface	
	RS232	RS485
105	3 871 660	3 871 670
370	3 871 680	3 871 690
800	3 871 700	3 871 710

Temperature range: 400 ... 2500°C		
Optics	Interface	
	RS232	RS485
105	3 871 720	3 871 730
370	3 871 740	3 871 750
800	3 871 760	3 871 770

Noise Equivalent Temperature Difference:

Measurement temperature	NETD σ = 1 with t_{90}= 80 ms	NETD σ = 1 with t_{90}= 1 s
300°C	1.5°C	0.4°C
500°C	0.6°C	0.2°C

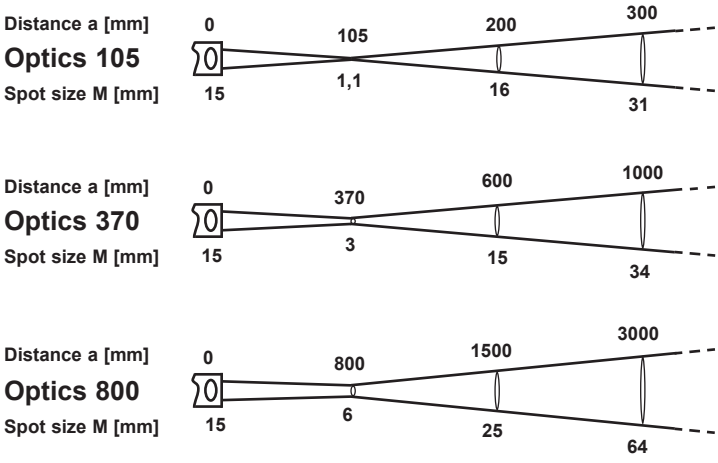
Emissivity = 1, $T_{Amb.}$ = 23°C

Measurement uncertainty dependent on object temperature T and ambient temperature T_A (ε = 1, t_{90}= 1 s):

T \ T_A	15 ... 30°C	0 ... 15°C oder 30 ... 63°C
200...1300°C	0.8% of measured value in °C or 3°C *)	1% of measured value in °C or 4°C *)
1300...1800°C	1% of meas. value in °C	1% of meas. value in °C
1800...2500°C	1.2% of meas.value in °C	1.3% of meas.value in °C

The instrument must be at a constant ambient temperature for a minimum of 30 minutes and has to be connected to the power supply

*) Whichever value is greater.



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Specifications are subject to change without notice.

IMPAC - Specialist in non-contact thermometry