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Temperaturmessgeräte

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# IN 5-L plus

**Digital, präzise, kompakt.**

**Digitales Pyrometer mit sehr kleinen Messfeldern zum Messen von kleinsten Objekten (Ergänzendes Datenblatt zu „IN 5 plus“)**

- ◆ Messbereich 0 ... 900°C
- ◆ 2 Optiken mit sehr kleinen Messfeldern zur Auswahl
- ◆ Kurze Einstellzeit 80 ms
- ◆ Laser-Pilotlicht
- ◆ Schnittstelle RS232 oder RS485



**Bestellnummern:**

Optik	Schnittstelle	
	RS232	RS485
100	3 871 600	3 871 610
300	3 871 620	3 871 630
800	3 871 640	3 871 650

**Rauschäquivalente Temperaturdifferenz (NETD)**

Messtemperatur	Einstellzeit $t_{90}$	NETD
23°C	80 ms	1,2°C
200°C	80 ms	0,5°C

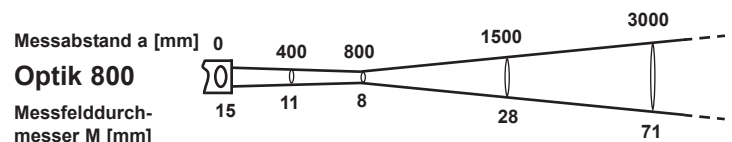
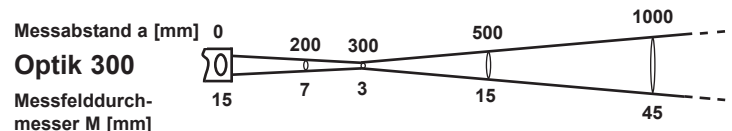
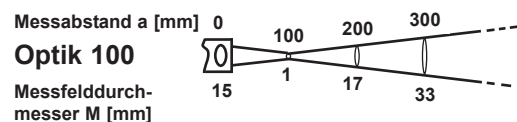
( $\epsilon = 1, \sigma = 1, T_U = 23^\circ\text{C}$ )

**Messunsicherheit:**

T	$T_U$	15 ... 30°C	0 ... 15°C oder 30 ... 63°C
0...300°C		0,6% v. Messwert in °C oder 2°C *)	1% v. Messwert in °C oder 3°C *)
300...900°C		1% v. Messwert in °C	1,5% v. Messwert in °C

Messunsicherheit in Abhängigkeit von Objekttemperatur T und Umgebungstemperatur  $T_U$  ( $\epsilon = 1, t_{90} = 1$  s). Das Gerät muss sich mindestens 30 min in konstanter Umgebungstemperatur befinden.

\*) Der jeweils größere Wert gilt.



Änderungen, die dem technischen Fortschritt dienen, behalten wir uns vor

IT3/4

**X** Non-contact thermometry best done with *INFRATHERM* pyrometers



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# IN 5-L *plus*

## Digital, precise, compact

Digital pyrometer with very small spot sizes for measurements of smallest objects  
(Additional data sheet to "IN 5 plus")

- ◆ Temperature range 0 ... 900°C
- ◆ 2 optics with very small spot sizes
- ◆ Short response time 80 ms
- ◆ Laser targeting light
- ◆ Serial interface RS232 or RS485



### Reference numbers:

Optics	Interface	
	RS232	RS485
100	3 871 600	3 871 610
300	3 871 620	3 871 630
800	3 871 640	3 871 650

### Noise Equivalent Temperature Difference (NETD):

Meas. temp.	response time $t_{90}$	NETD
23°C	80 ms	1.2°C
200°C	80 ms	0.5°C

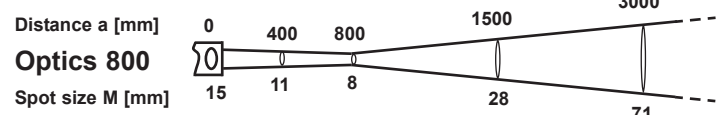
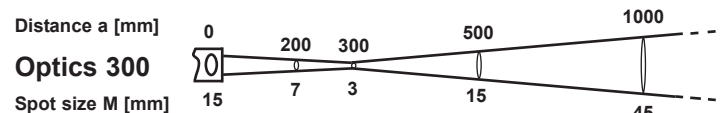
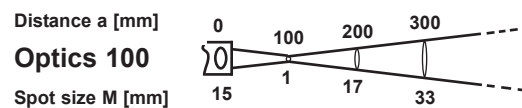
( $\epsilon = 1, \sigma = 1, T_U = 23^\circ\text{C}$ )

### Measurement uncertainty:

T	$T_U$	15 ... 30°C	0 ... 15°C or 30 ... 63°C
0...300°C		0.6% of reading in °C or 2°C *)	1% of reading in °C or 3°C *)
300...900°C		1% of reading in °C	1.5% of reading in °C

Measurement uncertainty dependent on object temperature T and ambient temperature  $T_A$  ( $\epsilon = 1, t_{90} = 1$  s). The instrument must be at a constant ambient temperature for a minimum of 15 minutes

\*) The greater value is valid.



Specifications are subject to change without notice.