

PSC-T44G / PSC-T44GH Pyrometer Series

Self-Contained, Non-Contact Infrared Temperature Sensors



- High speed, accuracy and repeatability
- Rugged stainless steel housing with fixed focus optics
- RS485 and 4-20 mA linear output
- Optional Integrated Green LED or Red Laser aiming accessory
- Temperature ranges from 100°C to 2500°C
- Integrated USB interface for sensor parameter settings

The innovative Process Sensors Models PSC-T44G and high speed PSC-T44GH with digital technology are rugged and designed for simplicity of installation.

The pyrometer's RS485 or 4-20mA linear output signal can be easily integrated into an existing bus system or instrumentation for recording and process control.

The stainless steel housing and rugged stainless steel cooling jacket with air purge ensures reliable operation in harsh environments.

The PSC-T44G offers a response speed of 30 ms and the high speed version, Model PSC-T44GH, 10 ms.

The 44 Pyrometer Series sensors are ideal instruments for system integrators, machine builders (OEM,) and engineering companies.

Prominent applications:

- Glass
- Solar Cell Production
- Ceramic industry
- Semiconductor

The integrated green LED aiming light facilitates accurate focusing and target alignment. The projected size of the LED is identical to the measuring spot and is visible on hot targets.

Equipped with USB interface, adjustment of all sensor parameters can be accessed via a PC, such as emissivity, response time, temperature sub range, peak picker, etc., with optional software and connecting cable.

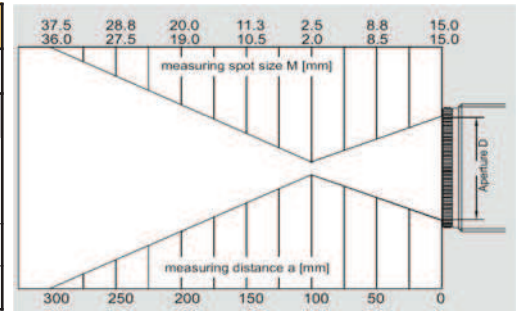
PSC Spot Software is provided for IR sensor adjustments and real time temperature analysis.

TECHNICAL SPECIFICATIONS FOR PSC-T44G / PSC-T44GH

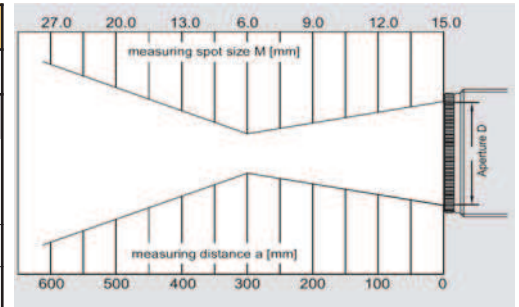
MODEL	PSC-T44G, PSC-T44GH
Technical Data	
Temperature ranges	100 to 1300°C, 200 to 1400°C, 500 to 2500°C
Sub temperature range	adjustable within overall temperature range, minimum span 51°C
Spectral range	5.14µm
Optics (refer to table)	several fixed optics (type V, VI, VII and VIII), aperature diameter 0.64" (16mm)
Distance to Spot Ratio	>50:1
Measurement uncertainty	0.6% of meas. value or 1°C (Tamb = 23°C, e = 1, t95 = 1s)
Reproducibility	0.3% of meas. value (Tamb = 23°C, e = 1, t95 = 1s)
Response time (t95)	30ms (PSC-T44G), 10ms (PSC-T44-GH). Both models adjustable up to 10 seconds.
Emissivity	adjustable, 0.20 to 1.00
Peak Picker	maximum value storage, adjustable via interface
Output	4...20mA, linear, max. burden: 700Ω at 24V
Interface	galvanically isolated RS485 interface, half duplex, max. 115kBd
Software	PSC Spot for Windows®
Method of Aiming	Laser aiming (accessory) or integrated green LED
Parameters	adjustable via interface and software (emissivity, response time, temperature unit °C or °F, storage, sub range)
Power Supply	24V DC +/- 25%
Power consumption	max 1.5W
Operating temperature	0°C to 70°C
Storage temperature	-20°C to 70°C
Weight	approx. 14 oz.
DImensions	thread M40 X 1.5, length 125mm
Housing	stainless steel with plug connector
Safety class	IP 65 (DIN 40 050)
CE-Symbol	according to EU regulations (EN 50 011)
Scope of delivery	PSC-T44X, manual, inspection sheets, PSC Spot for Windows® (cable sold separately)
Accessories, mechanical, electrical and optical	
Connecting cable 12-pin	Length: 2m, 5m, 10m, 15m, 20m, 25m, 30m / 6.5', 16', 33', 49', 65', 82', 98'
USB-correcting cable	Length 1.8m, screened
Interface	RS485 or USB
Power supply	24V DC/0.6A
Mounting bracket	fixed or adjustable
Air purge unit	stainless steel, air pressure 0.5 to 1.5 cfm, oil free
Water cooling jacket	with integrated air purge and mounting angle
Vacuum flange	KF 16 with CaF2 window
Laser aiming light	adapter (battery operated)

Optic types V, VI, VII and VIII

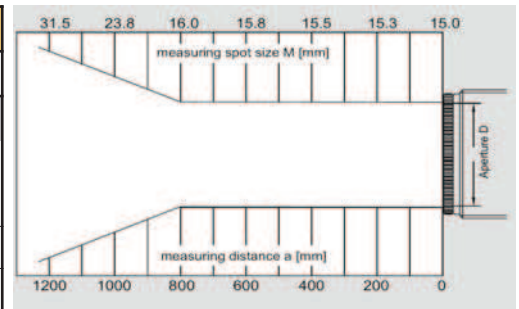
Optics V (focussed at a = 100mm measuring distance)							
Measuring distance a in mm	0	50	100	150	200	250	300
Measuring field diameter M in mm							
PSC-T40G (100°C to 1300°C)	15	8.8	2.5	11.3	20.0	28.8	37.5
PSC-T40G (200°C to 1400°C)	15	8.8	2.5	11.3	20.0	28.8	37.5
PSC-T40G (500°C to 2500°C)	15	8.8	2.5	11.3	20.0	28.8	37.5



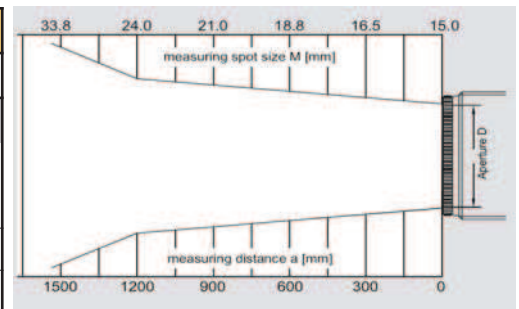
Optics VI (focussed at a = 300mm measuring distance)							
Measuring distance a in mm	0	100	200	300	400	500	600
Measuring field diameter M in mm							
PSC-T40G (100°C to 1300°C)	15	12.0	9.0	6.0	13.0	20.0	27.0
PSC-T40G (200°C to 1400°C)	15	12.0	9.0	6.0	13.0	20.0	27.0
PSC-T40G (500°C to 2500°C)	15	12.0	9.0	6.0	13.0	20.0	27.0



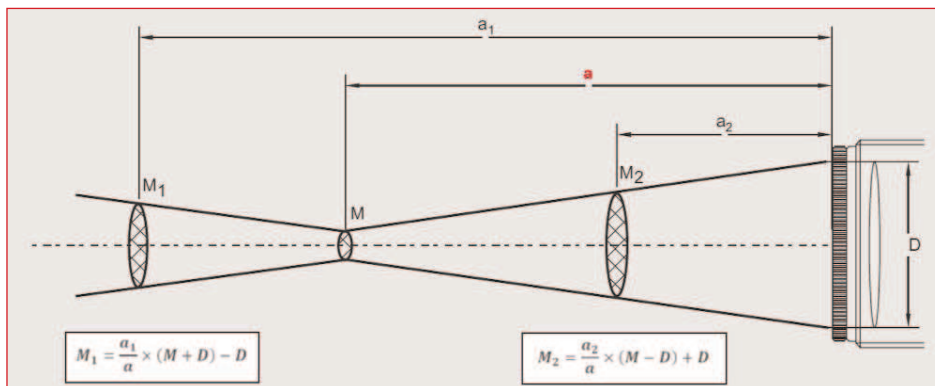
Optics VII (focussed at a = 800mm measuring distance)							
Measuring distance a in mm	0	200	400	600	800	1000	1200
Measuring field diameter M in mm							
PSC-T40G (100°C to 1300°C)	15	15.3	15.5	15.8	16.0	23.8	31.5
PSC-T40G (200°C to 1400°C)	15	15.3	15.5	15.8	16.0	23.8	31.5
PSC-T40G (500°C to 2500°C)	15	15.3	15.5	15.8	16.0	23.8	31.5



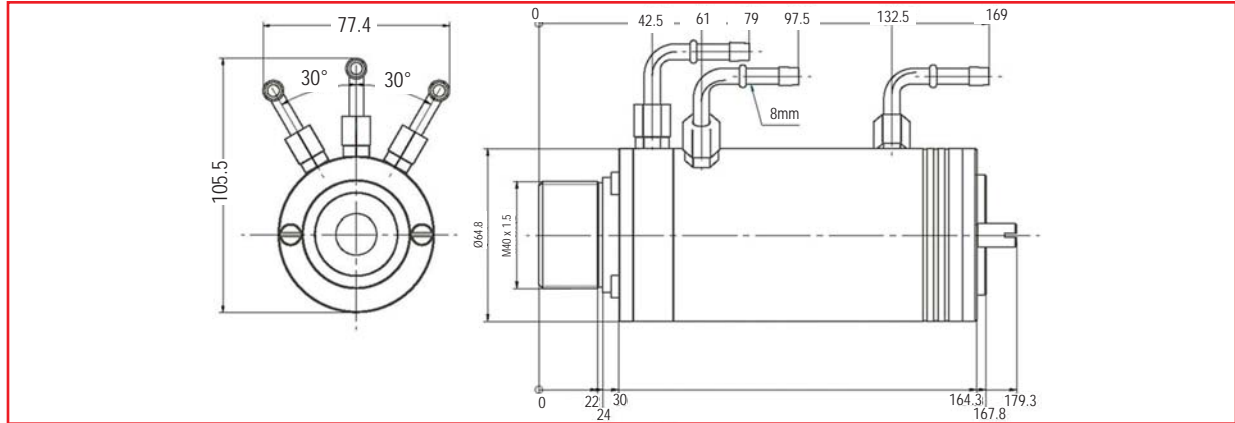
Optics VIII (focussed at a = 1200mm measuring distance)							
Measuring distance a in mm	0	100	300	600	900	1200	1500
Measuring field diameter M in mm							
PSC-T40G (100°C to 1300°C)	15	15.0	16.5	18.8	21.0	24.0	33.8
PSC-T40G (200°C to 1400°C)	15	15.0	16.5	18.8	21.0	24.0	33.8
PSC-T40G (500°C to 2500°C)	15	15.0	16.5	18.8	21.0	24.0	33.8



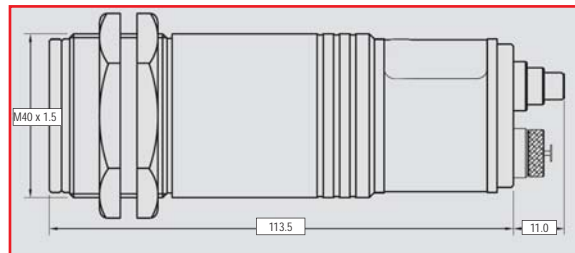
Field of view (for) calculations



Cooling Jacket & Air Purge (Dimensions in mm)



Pyrometer



Accessories

Adjustable mounting bracket
PN#3310A21011



Digital Display
PN#TIC500



Cooling jacket with air purge
PN#3310A23010



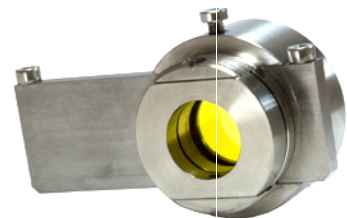
Power supply 24 VDC (din rail)
PN#950-004



Air purge unit
PN#3310A22010



Window Slide



PSC-S44N / PSC-G44N Pyrometer Series

Self-Contained, Non-Contact Infrared Temperature Sensors



- Stainless steel housing with variable or fixed focus optics
- RS485 interface for bus system integration
- Bright green LED or laser aiming
- Selection of temperature ranges from 250°C to 2500°C
- Integrated USB interface for sensor parameter settings

The innovative Process Sensors Models PSC-S44N and PSC-G44N with digital technology are compact, rugged and designed for simplicity of installation.

The pyrometer's RS485 or 4-20mA linear output signal can be easily integrated into existing instrumentation for recording and process control.

The rugged stainless steel housing with protective window and cooling jacket with air purge ensures reliable operation in harsh environments.

Models PSC-S44N and PSC-G44N are suitable for mid to high temperature measurements from 250°C, with fast response time of 5 milliseconds.

The 44 Series sensors are ideal instruments for system integrators, machine builders (OEMs), and engineering construction companies.

Typical applications:

- Steel industry
- Furnace
- Welding
- Semiconductor
- Solar
- Ceramic industry
- Metal heat treating
- Induction heating
- Rotary kilns
- Sintering

The integrated green LED or LASER facilitates accurate focusing and target alignment. The projected size of the LED is identical to the measuring spot.

Equipped with USB interface, adjustment of all sensor parameters can be accessed via a PC, such as emissivity, response time, temperature sub range, peak picker, etc.

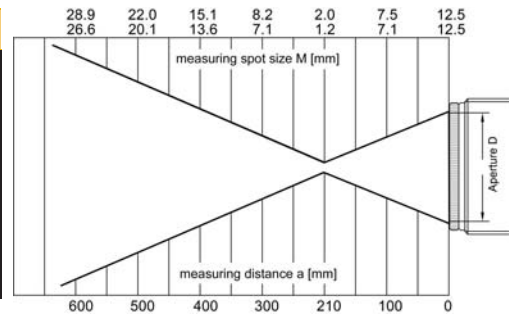
Software is provided for IR sensor adjustments temperature measuring and data acquisition evaluation.

TECHNICAL SPECIFICATIONS FOR PSC-S44N / PSC-G44N

TECHNICAL DATA				
Type	PSC-S44N		PSC-G44N	
Temperature range	600 °C to 1800 °C	800 °C to 2500 °C	250 °C to 1300 °C	350 °C to 1800 °C
Sub temperature range	Adjustable within temperature range, minimum span 51 °C			
Spectral range	0.8 µm to 1.1 µm		1.5 µm to 1.8 µm	
Optics (refer tables)	Several fixed optics (type I, II, III and IV)			
Distance ratio	100 : 1	200 : 1	100 : 1	200 : 1
Measurement uncertainty	0.5 % of meas. value ($T_U = 23\text{ °C}$, $\varepsilon = 1$, $t_{95} = 1\text{ s}$)			
Reproducibility	0.1 % of meas. value ($T_U = 23\text{ °C}$, $\varepsilon = 1$, $t_{95} = 1\text{ s}$)			
Response time (t95)	5 ms, adjustable up to 10s			
Emissivity	Adjustable, 0.05 to 1.00			
Storage	Maximum value storage, adjustable via interface			
Output	4...20 mA, linear, max. load: 700 Ω at 24 V			
Interface	Galvanically isolated RS485 interface, half duplex, 115 Kbd max.			
Software	PSC Spot for Windows®			
Aiming	Green LED or LASER aiming			
Parameters	Adjustable via software (emissivity, response time, temperature unit °C or °F, storage, sub range) with use of communications cable			
Power supply	24 VDC ± 25 % and 5 V to 30 VDC (LED/laser)			
Power consumption	1.5W Max.			
Operating temperature	0 °C to 70 °C			
Storage temperature	-20 °C to 70 °C			
Weight	approx. 1 lb			
Dimensions	Thread M40 x 1.5, length 5 inches (125mm)			
Housing	Stainless steel with plug connector and protection window			
Safety class	IP 65 (DIN 40 050)			
CE-Symbol	According to EU regulations (EN 50 011)			
Scope of delivery	PSC-S44N or PSC-G44N, manual, inspection sheet, PSC Spot for Windows (without connecting cable, please order separately)			
Accessories, mechanical, electrical and optical				
Connecting cable 12-pin	Length Feet 6.5', 16', 33', 49', 65', 82', 98' (2 m, 5 m, 10 m, 15 m, 20 m, 25 m or 30 m)			
Interface Module	RS485 to USB			
Power supply	24 VDC, 0.6 A			
Mounting angle bracket	Fixed or adjustable			
Ball and socket mounting	Stainless steel, adjustable			
Air purge unit	Stainless steel, air pressure 0.1 to 1.0 bar, oil free			
Water cooling jacket	With integrated air purge and mounting angle			
Vacuum flange	KF 16, with quartz glass			
Protection window	Quartz or sapphire			

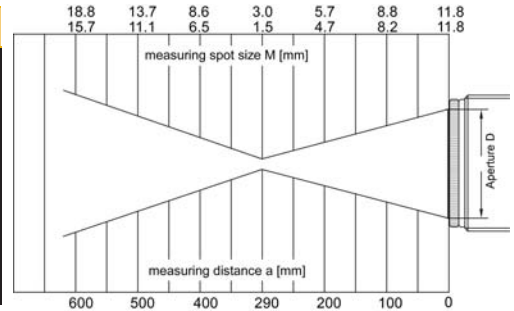
Optics I (focussed at a = 210mm measuring distance)

Measuring distance a in inches (mm)	0	4 (100)	8.26 (210)	12 (300)	15.7 (400)	19.6 (500)	23.6 (600)
Measuring field diameter M in mm							
PSC-S44N (600°C to 1800°C)	0.5 (12.5)	0.3 (7.5)	0.8 (2.0)	0.33 (8.2)	0.6 (15.1)	0.88 (22.0)	1.56 (28.9)
PSC-S44N (800°C to 2500°C)	0.5 (12.5)	0.28 (7.1)	0.48 (1.2)	0.28 (7.1)	0.54 (13.6)	0.8 (20.1)	1.06 (26.6)
PSC-G44N (250°C to 1300°C)	0.5 (12.5)	0.3 (7.5)	0.8 (2.0)	0.33 (8.2)	0.6 (15.1)	0.88 (22.0)	1.56 (28.9)
PSC-G44N (350°C to 1800°C)	0.5 (12.5)	0.28 (7.1)	0.48 (1.2)	0.28 (7.1)	0.54 (13.6)	0.8 (20.1)	1.06 (26.6)



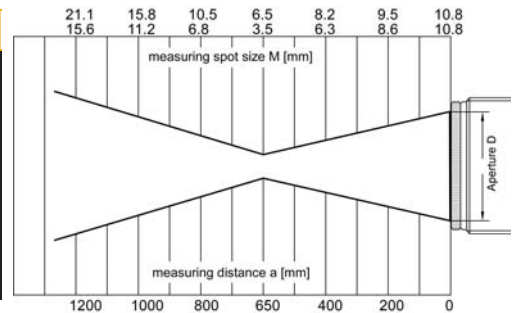
Optics II (focussed at a = 290mm measuring distance)

Measuring distance a in inches (mm)	0	4 (100)	7.9 (200)	11.6 (290)	15.7 (400)	19.6 (500)	23.6 (600)
Measuring field diameter M in mm							
PSC-S44N (600°C to 1800°C)	0.47 (11.8)	0.35 (8.8)	0.23 (5.7)	0.12 (3.0)	0.34 (8.6)	0.55 (13.7)	0.75 (18.8)
PSC-S44N (800°C to 2500°C)	0.47 (11.8)	0.33 (8.2)	0.19 (4.7)	0.60 (1.5)	0.26 (6.5)	0.44 (11.1)	0.63 (15.7)
PSC-G44N (250°C to 1300°C)	0.47 (11.8)	0.35 (8.8)	0.23 (5.7)	0.12 (3.0)	0.34 (8.6)	0.55 (13.7)	0.75 (18.8)
PSC-S44N (350°C to 1800°C)	0.47 (11.8)	0.33 (8.2)	0.19 (4.7)	0.60 (1.5)	0.26 (6.5)	0.44 (11.1)	0.63 (15.7)



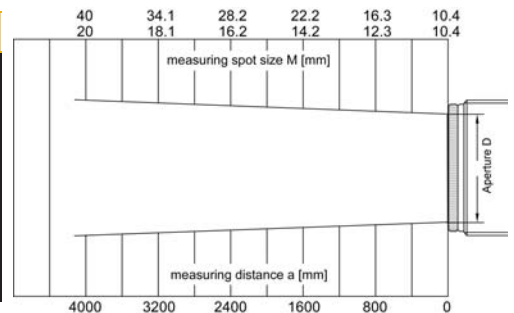
Optics III (focussed at a = 650mm measuring distance)

Measuring distance a in inches (mm)	0	7.9 (200)	15.7 (400)	25.59 (650)	32 (800)	40 (1000)	48 (1200)
Measuring field diameter M in mm							
PSC-S44N (600°C to 1800°C)	0.43 (10.8)	0.38 (9.5)	0.33 (8.2)	0.26 (6.5)	0.42 (10.5)	0.63 (15.8)	0.84 (21.1)
PSC-S44N (800°C to 2500°C)	0.43 (10.8)	0.34 (8.6)	0.25 (6.3)	0.14 (3.5)	0.27 (6.8)	0.45 (11.2)	0.62 (15.6)
PSC-G44N (250°C to 1300°C)	0.43 (10.8)	0.38 (9.5)	0.33 (8.2)	0.26 (6.5)	0.42 (10.5)	0.63 (15.8)	0.84 (21.1)
PSC-G44N (350°C to 1800°C)	0.43 (10.8)	0.34 (8.6)	0.25 (6.3)	0.14 (3.5)	0.27 (6.8)	0.45 (11.2)	0.62 (15.6)



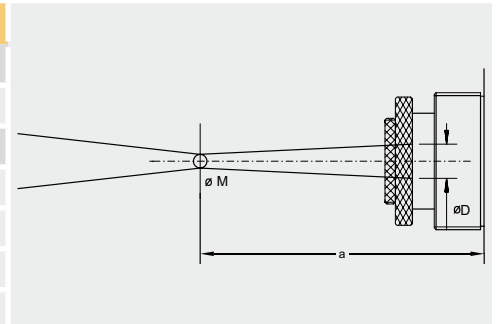
Optics IV (focussed at a = 4000mm measuring distance)

Measuring distance a in inches (mm)	0	15.7 (400)	32 (800)	64 (1600)	96 (2400)	128 (3200)	160 (4000)
Measuring field diameter M in mm							
PSC-S44N (600°C to 1800°C)	0.41 (10.4)	0.54 (13.4)	0.65 (16.3)	0.89 (22.2)	1.13 (28.2)	1.36 (34.1)	1.6 (40)
PSC-S44N (800°C to 2500°C)	0.41 (10.4)	0.56 (1.4)	0.49 (12.3)	0.57 (14.2)	0.65 (16.2)	0.72 (18.1)	0.8 (20)
PSC-G44N (250°C to 1300°C)	0.41 (10.4)	0.54 (13.4)	0.65 (16.3)	0.89 (22.2)	1.13 (28.2)	1.36 (34.1)	1.6 (40)
PSC-G44N (350°C to 1800°C)	0.41 (10.4)	0.56 (1.4)	0.49 (12.3)	0.57 (14.2)	0.65 (16.2)	0.72 (18.1)	0.8 (20)



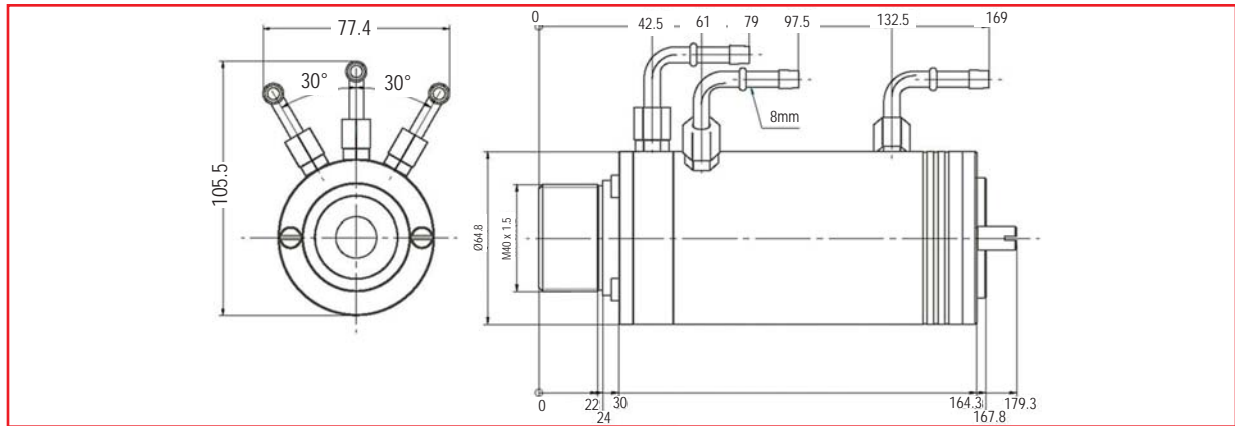
Variable Focus Optics

Measuring distance a in mm	0	300	400	500	600	700	800
Optics pullout in mm	0	6.1	5.0	3.9	2.6	1.3	0
Measuring field diameter M in mm							
PSC-S44N (600 °C to 1800 °C)	10	3.0	4.0	5.2	6.5	7.5	8.6
PSC-S44N (800 °C to 2500 °C)	10	1.5	2.1	2.6	3.5	4.5	5.5
PSC-G44N (250 °C to 1300 °C)	10	3.0	4.0	5.2	6.5	7.5	8.6
PSC-G44N (350 °C to 1800 °C)	10	1.5	2.1	2.6	3.5	4.5	5.5

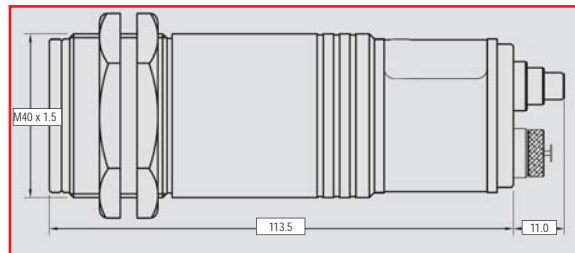


Dimensions in MM

Cooling Jacket & Air Purge



Pyrometer



Accessories

Adjustable mounting bracket
PN#PSC-3310A21011



Digital Display



Cooling jacket with air purge
PN#PSC-3310A23010



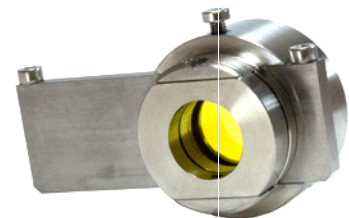
Power supply 24 VDC (din rail)
PN#950-004



Air purge unit
PN#PSC-3310A22010



Window Slide



PSC-GE44N

Non-Contact IR Pyrometer for low temperature metal applications

Overview

Digital pyrometer with 4-20 mA output and RS-485 interface



Fixed Focus optics



Adjustable Focus optics

Features

- For temperature ranges from 75 °C to 1200 °C
- Temperature linear output 0/4 to 20 mA
- Laser or LED aiming capabilities
- Fast response times from 5 ms
- Robust stainless steel housing
- Fixed and variable focus optics available

Description and applications

The non-contact IR temperature sensor model PSC-GE44N is specifically designed for metal applications. The IR sensor's short wavelength of 2.0 to 2.6 μm reduces temperature errors associated with low or unknown emissivity.

The robust stainless steel housing with protective window for the optics, allows for usage under harsh environmental conditions.

With a fast response time of only 5 ms, the PSC-GE44N infrared IR pyrometer series are suitable for fast measuring processes and offer a FOV (field of view) from 85 to 200:1

The linear temperature output signal of 0/4 to 20 mA allows easy implementation to existing measurement and control systems. Small spot sizes from 1.5mm (0.060") assists the user to accurately measure small targets.

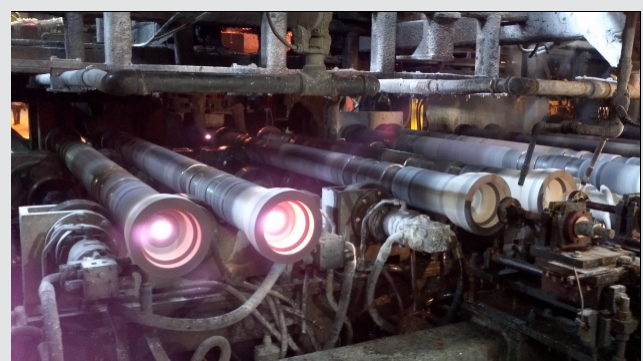
The PSC-GE44N series pyrometers are equipped with a galvanically isolated RS-485 interface for sensor settings and software evaluation, even in fieldbus systems.

The Infrared temperature sensor offers integrated LED or laser aiming light. The laser enables the user to pinpoint the center of the target under measurement. The size of the LED aiming light is identical to the measuring spot/area.

Functions such as emissivity sub-range, response time and storage can be easily adjusted by via the parameterizing and evaluation software, PSC Spot using an optional interface module (RS-485 to USB). The parameters are also adjustable through RS-485 interface with the mobile handheld programming device PSC-DHP1040.

Typical metal applications:

- Preheating
- Tempering
- Hardening
- Soldering
- Rolling
- Heat treatment



PSC-GE44N

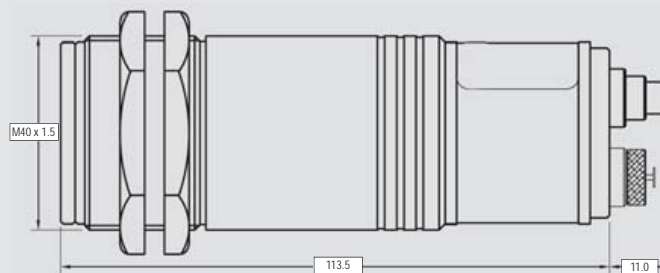
Non-Contact IR Pyrometer for low temperature metal applications

Technical data

Model	PSC-GE44N		
Temperature range	75 - 650 °C (167 - 1202°F)	100 - 800 °C (212 - 1472 °F)	150 - 1200 °C (302 - 2192 °F)
Sub temperature range	adjustable within temperature range, minimum span 50 °C		
Spectral range	2.0 µm to 2.6 µm		
Optics	several fixed optics (type 290, 650 and 1500) with quartz glass protection window, variable focus optics		
Part number	Laser	Laser	Laser
Optics 290	PSC-4441062205	PSC-4441062206	PSC-4441062207
Optics 650	PSC-4441063205	PSC-4441063206	PSC-4441063207
Optics 1500	PSC-4441067205	PSC-4441067206	PSC-4441067206
Adjustable focus optics	PSC-4441011205	PSC-4441011206	PSC-4441011206
Distance to spot ratio	approx. 85 : 1	approx. 130 : 1	approx. 200 : 1
Accuracy ¹	0.5 % of measured value + 2 K		
Repeatability ¹	0.3 % of measured value + 1 K		
NETD ²	0.5 K ¹		
Response time (t95) ³	5 ms, adjustable up to 100 s, adjustable via RS-485 interface		
Emissivity	0.05 to 1.00, adjustable via RS-485 interface		
Storage	minimum and maximum value storage, adjustable via RS-485 interface		
Output	0/4 to 20 mA, switchable via Software, temperature linear, max. burden: 500 Ω		
Interface	RS-485 (galvanically isolated), half duplex, baudrate 115 kBd, data protocol Modbus RTU		
Aiming	integrated laser aiming light		
Software	PSC Spot for Windows®, optional: PSC Spot Pro		
Parameters	emissivity, response time, storage, sub temperature range, adjustable via RS-485 interface and software		
Power supply	24 V DC ± 25 %, residual ripple 500 mV		
Power consumption	max. 1.5 W		
Operating temperature	0 °C to 70 °C ⁴		
Storage temperature	-20 °C to 70 °C		
Weight	appr. 455 g (1.0 lb)		
Dimensions	thread M40 × 1.5, length 125 mm		
Housing	stainless steel housing with plug connector		
Safety class	IP 65 (according to DIN EN 40050)		
CE symbol	according to EU regulations		
Standard Equipment	PSC-GE44N, manual, mounting screw nuts, inspection sheet, PSCSpot for Windows® (without connecting cable, please order separately)		

¹ Specifications for black body radiator; T_{ambient} = 23 °C, ε = 1, t95 = 1 s. ² Noise equivalent temperature difference. ³ With dynamic adaption at low signal level. ⁴ The measurement temperature must be at least 30 K higher than the operating temperature.

Pyrometer Dimensional Drawing (mm)



PSC-GE44N

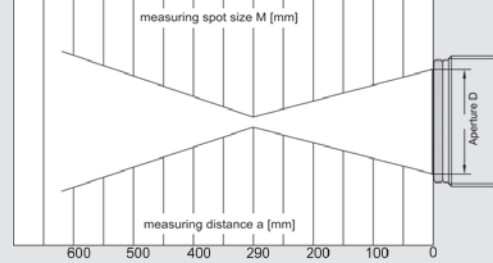
Non-Contact IR Pyrometer for low temperature metal applications

Fixed Focus: Optics type 290, 650, and 1500

Optics 290 (sharp point at a = 290 mm measurement distance, aperture $\varnothing D = 11.8$ mm)

Measurement distance a [mm]	0	100	200	290	400	500	600
Temperature range	Measurement field diameter M [mm]						
75 °C to 650 °C	11.8	9.0	6.1	3.6	9.4	14.7	20
100 °C to 800 °C	11.8	8.6	5.3	2.4	7.7	12.6	17.4
150 °C to 1200 °C	11.8	8.2	4.7	1.5	6.5	11.1	15.7

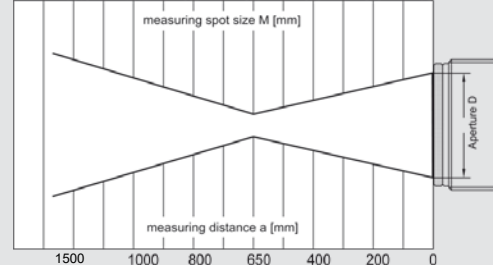
20	14.7	9.4	3.6	6.1	9.0	11.8
17.4	12.6	7.7	2.4	5.3	8.6	11.8
15.7	11.1	6.5	1.5	4.7	8.2	11.8



Optics 650 (sharp point at a = 650 mm measurement distance, aperture $\varnothing D = 10.8$ mm)

Measurement distance a [mm]	0	200	400	650	800	1000	1500
Temperature range	Measurement field diameter M [mm]						
75 °C to 650 °C	10.8	9.9	8.9	7.7	11.9	17.6	32
100 °C to 800 °C	10.8	9.2	7.5	5.4	9.2	14.1	27
150 °C to 1200 °C	10.8	8.6	6.3	3.5	6.8	11.2	22

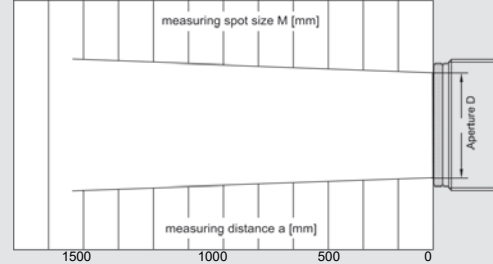
32	17.6	11.9	7.7	8.9	9.9	10.8
27	14.1	9.2	5.4	7.5	9.2	10.8
22	11.2	6.8	3.5	6.3	8.6	10.8



Optics 1500 (sharp point at a = 1500 mm measurement distance, aperture $\varnothing D = 10.4$ mm)

Measurement distance a [mm]	0	500	750	1000	1250	1500	2000
Temperature range	Measurement field diameter M [mm]						
75 °C to 650 °C	10.4	12.9	14.1	15.3	16.5	17.7	27
100 °C to 800 °C	10.4	10.8	11.0	11.2	11.4	11.6	18.9
150 °C to 1200 °C	10.4	9.4	8.9	8.5	8.0	7.5	13.5

17.7	15.3	12.9	10.4
11.6	11.2	10.8	10.4
7.5	8.5	9.4	10.4



Adjustable Focus optics

PSC-GE44N

Temperature range	Measurement distance	Measuring field diameter	Lens Aperture
75 °C to 650 °C	300 mm to 800 mm	3.6 mm to 10.3 mm	10 mm
100 °C to 800 °C	300 mm to 800 mm	2.4 mm to 8.5 mm	10 mm
150 °C to 1200 °C	300 mm to 800 mm	1.5 mm to 5.5 mm	10 mm

PSCSpot Software

The no charge PSCSpot software is used for manual set-up and adjustment of pyrometer parameters that include emissivity correction, sub-temperature range, data storage settings, Peak Picker and response time. The PSCSpot software facilitates recording, and creation and retention of graphic or Microsoft Excel table files.



Further functions are for example:

- Trigger functions^{*}) and auto save^{*})
- Statistical analysis of measurement data
- Measurement cursor, print functions, automatic emissivity determination
- Export of measured data as text file & automatic creation of Microsoft Excel[®] spreadsheets
- Integrated report function with customized templates for Microsoft Word[®]
- Integrated calculator for easy calculation of optics parameters

PSC-GE44N

Non-Contact IR Pyrometer for low temperature metal applications

Electrical, mechanical and optical accessories ¹			Order number	
Connecting cable, straight plug, 12-pin	Connecting cable, right angle plug, with aiming light button, 12-pin	length 2 m length 5 m length 10 m length 15 m length 20 m length 25 m length 30 m	PSC-3310A11111 PSC-3310A11112 PSC-3310A11113 PSC-3310A11114 PSC-3310A11115 PSC-3310A11116 PSC-3310A11117	PSC-3310A11151 PSC-3310A11152 PSC-3310A11153 PSC-3310A11154 PSC-3310A11155 PSC-3310A11156 PSC-3310A11157
Interface module	RS-485 to USB		PSC-3310A14020	
Power supply	24 V DC, 0.6 A		PSC-3310A12010	
Mounting angle	fixed adjustable		PSC-3310A21010 PSC-3310A21011	
Air purge unit	stainless steel, purge air 0.1 to 0.5 bar, oil free		PSC-3310A22010	
Water cooling jacket	stainless steel with integrated air purge unit		PSC-3310A23010	
Vacuum flange KF16	with quartz window or with sapphire window		PSC-3310A24010 & PSC-3310A34021 PSC-3310A24010 & PSC-3310A34051	
Mirror	90°, with integrated air purge unit		PSC-3310A33010	
PSC-DHP 1040	mobile handheld programming device		PSC-3310A17010	

¹ More accessories available.

Accessories		
Adjustable mounting bracket	Window slide	Air purge
Part number: PSC-3310A21011 	Part number: PSC-3310A21210 	Part number: PSC-3310A22010 
Cooling jacket	5 meter sensor cable with straight connector	1.8m sensor USB Cable for connection to PC
Part number: PSC-3310A23010 	Part number: PSC-3310A11112 	Part number: PSC-3310A14015 

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