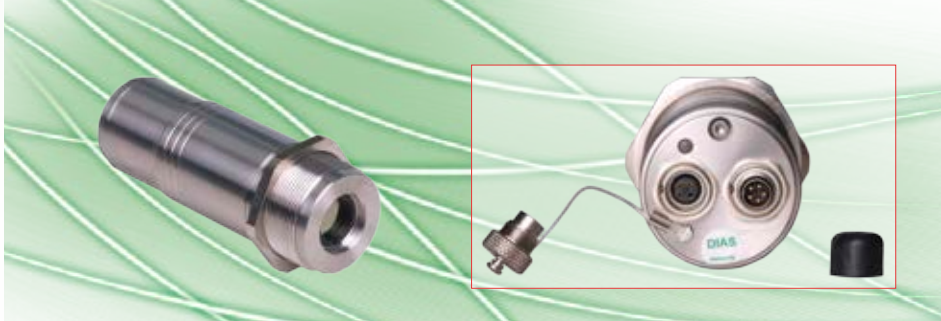


PYROSPOT Series 4x

Universal, compact and robust pyrometer for industrial application

Series 40 – All-around applicable 2-wire pyrometers with USB interface



- Different fixed and vario optics with very small measurement field diameters from 0.7 mm
- Integrated LED or laser aiming light
- Pyrometer with fiber optics available
- Stainless steel housing IP65

Device type	Spectral range	Temperature range	Distance ratio	t95	Interface	Aiming/targeting aid
DS 40N	0.8 μm to 1.1 μm	600 °C to 2500 °C	100 : 1 to 200 : 1	10 ms	USB	LED or laser aiming light
DG 40N	1.5 μm to 1.8 μm	250 °C to 2000 °C	100 : 1 to 200 : 1	10 ms	USB	LED or laser aiming light
DT 40F	about 3.9 μm	300 °C to 2500 °C	50 : 1	60 ms	USB	LED aiming light
DT 40C	about 4.5 μm	500 °C to 1800 °C	50 : 1	60 ms	USB	none
DT 40G	about 5.0 μm	100 °C to 2500 °C	50 : 1	60 ms	USB	LED aiming light
DT 40U	about 7.7 μm	300 °C to 1100 °C	50 : 1	60 ms	USB	none
DT 40L	8 μm to 14 μm	-40 °C to 1000 °C	50 : 1	60 ms	USB	LED aiming light

Fiber optics pyrometer

DSF 40N	0.8 μm to 1.1 μm	600 °C to 2500 °C	50 : 1 to 100 : 1	10 ms	USB	LED or laser aiming light
DGF 40N	1.5 μm to 1.8 μm	250 °C to 2000 °C	50 : 1 to 100 : 1	10 ms	USB	LED or laser aiming light

Series 42 – Good value series with emissivity adjustment for first-time user



- Different fixed optics available
- 2-wire device in stainless steel housing (IP65)
- Extensive accessories, e.g. cooling jacket, air purge unit

Device type	Spectral range	Temperature range	Distance ratio	t95	Interface	Aiming/targeting aid
DS 42N	0.8 μm to 1.1 μm	600 °C to 2500 °C	100 : 1 to 200 : 1	10 ms	none	Laser aiming light
DG 42N	1.5 μm to 1.8 μm	250 °C to 1800 °C	100 : 1 to 200 : 1	10 ms	none	Laser aiming light
DT 42G	about 5.0 μm	100 °C to 2500 °C	50 : 1	100 ms	none	Laser aiming light adaptor
DT 42L	8 μm to 14 μm	-40 °C to 1000 °C	50 : 1	100 ms	none	Laser aiming light adaptor



PYROSPOT Series 4x

Universal, compact and robust pyrometer for industrial application

Series 44 – Bus-compatible pyrometer with RS-485 interface



- Different fixed and vario optics with very small measurement field diameters from 0.7 mm
- Special ratio pyrometers and devices with fiber optics
- Robust stainless steel housing IP65

Device type	Spectral range	Temperature range	Distance ratio	t95	Interface	Aiming/targeting aid
DS 44N	0.8 μm to 1.1 μm	600 °C to 2500 °C	100 : 1 to 200 : 1	5 ms	RS-485	LED or laser aiming light
DG 44N	1.5 μm to 1.8 μm	250 °C to 2000 °C	100 : 1 to 200 : 1	5 ms	RS-485	LED or laser aiming light
DGE 44N	2.0 μm to 2.6 μm	75 °C to 1200 °C	85 : 1 to 200 : 1	5 ms	RS-485	Laser aiming light
DT 44F	about 3.9 μm	300 °C to 2500 °C	50 : 1	10 ms ¹⁾	RS-485	LED aiming light
DT 44G	about 5.0 μm	100 °C to 2500 °C	50 : 1	10 ms ¹⁾	RS-485	LED aiming light
DT 44L	8 μm to 14 μm	-40 °C to 1000 °C	50 : 1	10 ms ¹⁾	RS-485	LED aiming light

Ratio pyrometers

DSR 44N	0.7 μm to 1.1 μm	600 °C to 2500 °C	50 : 1 to 200 : 1	5 ms	RS-485	Laser aiming light
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Fiber optics pyrometer

DSF 44N	0.8 μm to 1.1 μm	600 °C to 2500 °C	50 : 1 bis 100 : 1	5 ms	RS-485	LED or laser aiming light
DGF 44N	1.5 μm to 1.8 μm	250 °C to 2000 °C	50 : 1 bis 100 : 1	5 ms	RS-485	LED or laser aiming light

Ratio pyrometers with fiber optics

DSRF 44N	0.7 μm to 1.1 μm	700 °C to 1800 °C	40 : 1	5 ms	RS-485	Laser aiming light
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Series 4 – Pyrometer with small remote sensor head and separate electronics



- Large, easy to read OLED display and programmable keys
- Parameterization directly at the device
- Best cost-performance ratio for OEM application
- Protection class IP65

Device type	Spectral range	Temperature range	Distance ratio	t95	Interface	Aiming/targeting aid
DS 4N	0.8 μm to 1.1 μm	600 °C to 2500 °C	32 : 1 to 64 : 1	10 ms	RS-485	none
DG 4N	1.5 μm to 1.8 μm	250 °C to 1800 °C	32 : 1 to 64 : 1	10 ms	RS-485	none
DT 4G	about 5.14 μm	200 °C to 1800 °C	20 : 1	100 ms	RS-485	none
DT 4L	8 μm to 14 μm	-40 °C to 1000 °C	20 : 1	100 ms	RS-485	none

Series 48 – Fast temperature switch with potential-free output



- Very short switch times of only 1 ms
- Different fixed optics
- Protection class IP65
- Option: Hot metal detector

Device type	Spectral range	Temperature range	Distance ratio	t95	Interface	Aiming/targeting aid
DG 48N	1.5 μm to 1.8 μm	200 °C to 1800 °C	65 : 1 to 200 : 1	1 ms	none	LED aiming light