

# PYROSPOT Series 1x

High-precision pyrometer for industry and research

## Series 10 – Fast pyrometers with display, keys for parameterization and vario optics



- Different vario optics with very small measurement field diameters from 0.7 mm
- Integrated display for measured values and parameters
- Push buttons for parameterization

Device type	Spectral range	Temperature range	Distance ratio	t95	Interface	Aiming/targeting aid
DS 10N	0.8 μm to 1.1 μm	550 °C to 3000 °C	200 : 1 to 300 : 1	2 ms	RS-485	Each pyrometer is equipped with an integrated LED or laser aiming light, a through-lens sighting or a color video camera
DG 10N	1.5 μm to 1.8 μm	200 °C to 2500 °C	200 : 1 to 300 : 1	2 ms	RS-485	
DGE 10N	2.0 μm to 2.6 μm	100 °C to 1200 °C	100 : 1 to 200 : 1	2 ms	RS-485	
DP 10N	2.0 μm to 2.8 μm	50 °C to 1200 °C	100 : 1 to 200 : 1	1,5 ms	RS-485	
DPE 10M	3.0 μm to 5.0 μm	20 °C to 1000 °C	100 : 1 to 150 : 1	1,5 ms	RS-485	
DPE 10MF	about 3.9 μm	50 °C to 2500 °C	100 : 1 to 200 : 1	1,5 ms	RS-485	
DPE 10C	about 4.5 μm	500 °C to 2000 °C	100 : 1	500 ms	RS-485	Through-lens sighting
DY 10U	about 7.8 μm	50 °C to 500 °C	100 : 1	30 ms	RS-485	
DY 10G	about 5 μm	100 °C to 2500 °C	100 : 1	30 ms	RS-485	*)

### Ratio pyrometer

DSR 10N	0.7 μm to 1.1 μm	500 °C to 3000 °C	50 : 1 to 300 : 1	5 ms	RS-485	LED or laser aiming light, through-lens sighting or color video camera
DSR 10NF	0.7 μm to 1.1 μm	600 °C to 2500 °C	100 : 1 to 300 : 1	5 ms	RS-485	
DGR 10N	1.5 μm to 1.9 μm	300 °C to 2300 °C	100 : 1 to 300 : 1	5 ms	RS-485	

### Transfer radiation thermometer set for calibration

DS 10N cal	0.8 μm to 1.1 μm	600 °C to 2500 °C	200 : 1	1 s	RS-485	Through-lens sighting
DG 10N cal	1.5 μm to 1.8 μm	300 °C to 1800 °C	200 : 1	1 s	RS-485	Through-lens sighting
DY 10F cal	about 3.9 μm	200 °C to 1500 °C	75 : 1	1 s	RS-485	Through-lens sighting
DY 10G cal	4.8 μm to 5.2 μm	100 °C to 1400 °C	75 : 1	1 s	RS-485	Laser aiming light
DY 10L cal	8 μm to 14 μm	0 ° to 1000 °C	75 : 1	1 s	RS-485	Laser aiming light

\*) Pyrometer is equipped with an integrated LED or laser aiming light, a through-lens sighting or a color video camera

## Series 11 – Robust and fast fiber optics pyrometer with display and control keys



- Vario and fixed optics available
- Devices with fiber optics and optical head for ambient conditions up to 250 °C
- Large OLED display and keys for parameterization
- Protection class IP65

Device type	Spectral range	Temperature range	Distance ratio	t95	Interface	Aiming/targeting aid
DSF 11N	0.8 μm to 1.1 μm	600 °C to 3000 °C	100 : 1 to 150 : 1	2 ms	RS-485	Laser aiming light
DGF 11N	1.5 μm to 1.8 μm	250 °C to 2500 °C	100 : 1 to 150 : 1	2 ms	RS-485	Laser aiming light
DGEF 11N	2.0 μm to 2.6 μm	150 °C to 1200 °C	50 : 1 to 75 : 1	2 ms	RS-485	Laser aiming light

### Ratio pyrometer

DSRF 11N	0.7 μm to 1.1 μm	600 °C to 3000 °C	50 : 1 to 150 : 1	5 ms	RS-485	Laser aiming light
DGRF 11N	1.5 μm to 1.9 μm	300 °C to 2300 °C	50 : 1 to 150 : 1	5 ms	RS-485	Laser aiming light