

PYROSPOT Series 5x

High-precision, very fast pyrometers for operations in industry

Series 56 – Extremely powerful pyrometers with display and parameterization keys



- Different fixed optics with very small measurement field diameters from 0.7 mm
- Very fast response times t_{95} from 2 ms
- Large assortments of aiming possibilities
- Compact and robust stainless steel housing with protection class IP65

Device type	Spectral range	Temperature range	Distance ratio	t_{95}	Interface	Aiming/targeting aid
DS 56N	0.8 μm to 1.1 μm	550 °C to 3000 °C	200 : 1 to 300 : 1	2 ms	RS-485	Laser aiming light, color video camera, through-lens sighting, electr. viewfinder
DG 56N	1.5 μm to 1.8 μm	200 °C to 2500 °C	200 : 1 to 300 : 1	2 ms	RS-485	Laser aiming light, color video camera, through-lens sighting, electr. viewfinder
DT 56G	about 5 μm	100 °C to 2500 °C	75 : 1 to 100 : 1	10 ms ¹⁾	RS-485	Double laser
DT 56L	8 μm to 14 μm	-40 °C to 1000 °C	75 : 1 to 100 : 1	10 ms ¹⁾	RS-485	Double laser
Ratio pyrometer						
DSR 56N	0.7 μm to 1.1 μm	500 °C to 3000 °C	50 : 1 to 300 : 1	5 ms	RS-485	Laser aiming light, color video camera, through-lens sighting, electr. viewfinder

Series 54 – Extra powerful pyrometers with very good cost-performance ratio



- Parameterization via RS-485 interface
- Laser aiming light or color video camera as focussing aid
- Special pyrometers for measurements in combustion chambers
- Compact and robust stainless steel housing with protection class IP65

Device type	Spectral range	Temperature range	Distance ratio	t_{95}	Interface	Aiming/targeting aid
DS 54N	0.8 μm to 1.1 μm	550 °C to 3000 °C	200 : 1 to 300 : 1	2 ms	RS-485	Laser aiming light, color video camera
DG 54N	1.5 μm to 1.8 μm	200 °C to 2500 °C	200 : 1 to 300 : 1	2 ms	RS-485	Laser aiming light, color video camera
DT 54G	about 5 μm	100 °C to 2500 °C	75 : 1 to 100 : 1	10 ms ¹⁾	RS-485	Double laser
DT 54U	about 7.7 μm	350 °C to 1200 °C	65 : 1	50 ms	RS-485	Double laser
DT 54L	8 μm to 14 μm	-40 °C to 1000 °C	75 : 1 to 100 : 1	10 ms ¹⁾	RS-485	Double laser
Ratio pyrometer						
DSR 54N	0.7 μm to 1.1 μm	500 °C to 3000 °C	50 : 1 to 300 : 1	5 ms	RS-485	Laser aiming light, color video camera
Special pyrometer for combustion chambers						
DSR 54NF	0.7 μm to 1.1 μm	700 °C to 3000 °C	200 : 1	5 ms	RS-485	Laser aiming light, color video camera

