

Selection Guide: Infrared Radiation Pyrometer KT18-Series

Technical Data of Infrared Radiation Pyrometer KT18.03



Application:

Metals, Metal oxide, Ceramic, Semiconductors

Temperature Ranges

Nr.	Standard Range	Nr.	Extended Ranges
1	550 – 1050 °C	10	550 – 1800 °C
2	600 – 1200 °C	11	600 – 2000 °C
3	650 – 1300 °C	12	650 – 2200 °C
4	700 – 1400 °C	13	700 – 2500 °C
5	750 – 1500 °C		
6	800 – 1700 °C		
7	900 – 2000 °C		
8	1000 – 2500 °C		
9	1100 – 2500 °C		

Technical Data

Spectral Range	0,85...1,1 µm
Accuracy	1 % ± 1° C plus 0,05 %/°C of the difference between object and housing
Reproducibility	3 ‰
Emissivity	Adjustable: 0,1 ... 1,0
Response Time	Adjustable: 10 ... 100 ms
Permissible ambient Temperature	0 °C ... 60 °C, with cooling housing 150 °C
Storage Temperature	- 10 °C ... 70 °C
Analog Output	0 ... 20 mA or 4 ... 20 mA or 0 ... 1 V
Power Requirements	24V VDC ± 10% or 24 VAC ± 10%
	< 160 mA
Dimensions H / B / T	54 x 54 x 147 mm
Weight	0,6 kg

Accessories

Viewfinder, Digital Display, Cooling Housing, Power Supply