

Selection Guide: Infrared Radiation Pyrometer KT18-Series

Technical Data of Infrared Radiation Pyrometer KT18.03R & KT18.04R
Two Color Ratio Pyrometer



Application:

Metals, Metal oxide, Ceramic, Semiconductors

Temperature Ranges

Nr.	Standard Range	KT18.03R	Nr.	Standard Ranges:	KT18.04R
1	600 – 1600 °C		1	300-900°C	
2	800 – 1800 °C		2	350-1000°C	
3	900 – 2000 °C		3	400-1100°C	
4	1000 – 2500 °C		4	500-1200°C	

Technical Data

Spectral Range	KT18.03R: 0.85...1.1µm & 0.95...1.1µm KT18.04R: 1.4-1.76µm & 1.6-1.75µm
Accuracy	1 % ± 1°
Reproducibility	3 ‰
Emissivity Ratio	Adjustable: 0,8 to 1,2
Permissible Signal reduction	10%
Response Time	Adjustable: 20 to 200 ms
Permissible ambient Temperature	0 °C ... 50 °C
Storage Temperature	0 °C ... 60 °C
Analog Output	0 ... 20 mA or 4 ... 20 mA
Power Requirements	24V VDC ± 10%; 300 mA
Dimensions H / B / T	54 x 54 x 147 mm
Weight	0,7 kg

Accessories

Viewfinder, Digital Display, Cooling Housing, Power Supply