

Stationary pyrometer **PyroEpsilon**

Technical description

Characteristic
– non-contact temperature measurement
– cable length [m]: 1
– LCD display
– IP65 protection degree
– construction: made of stainless steel
– analog output: (4 + 20) mA
Measuring range
(-20 ÷ 500) °C acc. to the table
Accuracy
±1% of range or ±1 °C
Recurrence
±0,5% of range or ±0,5 °C
Response time $t_{0.9}$
240 ms
Emissivity factor
(0,2 ÷ 1,0) adjustable with an additional line (4 + 20) mA
Optics
2:1; 15:1; 30:1
Power source
24 V DC (28 V DC max.)
Min. power source voltage
6 V DC
Output impedance
50 Ω
Operating conditions
– temperature: (0 ÷ 70) °C
– humidity: <95% RH without condensation
Thread dimension
M16x1
Dimensions [mm]
18x103
Measuring spectrum
(8 ÷ 14) μm
Additional functions
– PyroTUNE controller (emissivity adjustment)



Measuring range	(-20 ÷ 100) °C	(0 ÷ 250) °C	(0 ÷ 500) °C
	Optics		
2:1	PE21 LT	PE21 MT	–
15:1	PE151 LT	PE151 MT	PE151 HT
30:1	PE301 LT	PE301 MT	PE301 HT

Ordering example

Stationary pyrometer PE151LT