Limatherm Sensor Sp. z o.o.
Skrudlak Street 1, 34-600 Limanowa
www.limathermsensor.com
tel. +48 18 330 10 00
fax. +48 18 330 10 04
e-mail export@limathermsensor.com

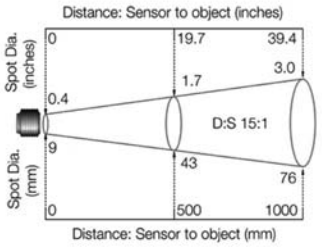
Stationary pyrometer **Pyro NFC**

Technical description

Characteristic
– non-contact temperature measurement – small size – voltage and alarm line output – ability to configuration of pyrometer parameters using smartphone – response time: 125 ms
Measuring range
(0 ÷ 1000) °C
Output
– voltage (0 ÷ 5)/(0 ÷ 10) V (selected using the nfc application from a smartphone or tablet) alarm, open collector (0 ÷ 24) V DC, 50 mA – type-K thermocouple
Accuracy
±1,5% of range or ±1,5 °C (you should choose a larger value)
Recurrence
±0,5% of range or ±0,5 °C (you should choose a larger value)
Response time t_{09}
125 ms (adjustable value via the NFC application from a smartphone or tablet)
Emissivity factor
(0,2 ÷ 1,0)
Optics
15:1
Power source
max. power source voltage 28 V DC min. power source voltage 12 V DC (for output (0 ÷ 10) V) min. power source voltage 6 V DC (for output (0 ÷ 5) V)
Operating conditions
– temperature: (0 ÷ 80) °C – humidity: <95% RH without condensation
Head dimension [mm]
– diameter: ø31 – length: 29
Measuring spectrum
(8 ÷ 14) µm

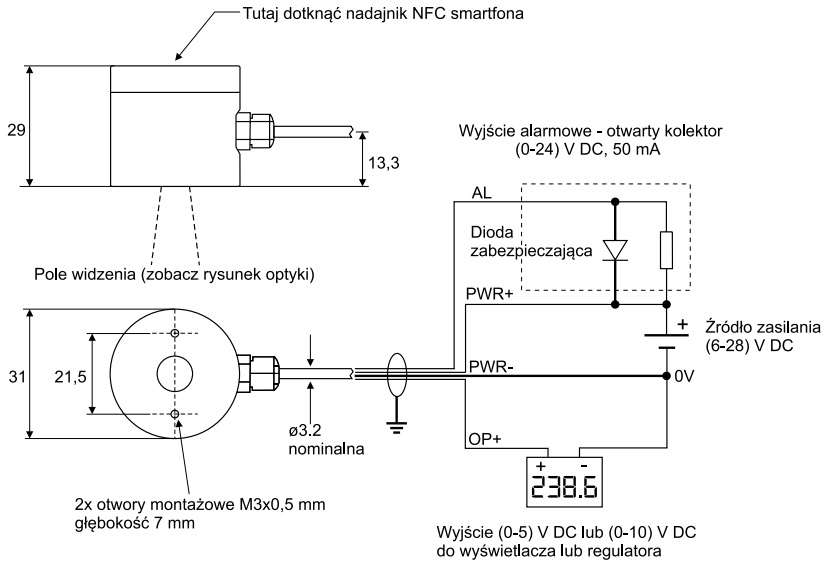
APN – air purge collar

FBN – fixed mounting bracket



Optics: 15:1

Dimensions and wiring diagram



Ordering example

Stationary pyrometer PN151 - voltage output
Stationary pyrometer PN151-K - type-K thermocouple output