

*4 - 20 mA output, Infrared Temp.*

# IR Temp. TRANSMITTER

Model : TR-IR420

*ISO-9001, CE, IEC1010*



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

# 1. FEATURES

- \* 3-wire installation.
- \* Linear current output .
- \* Easy installation and connection.
- \* Small and robust infrared temperature sensor.

# 2. SPECIFICATIONS

Spectral range	8 to14 $\mu\text{m}$ .
Distance	Spot Size = 7 : 1 . <i>* measuring distance / spot size</i>
Measurement Temp. range	0 °C to 300 °C ( 0.04 mA/°C ). 32 °F to 572 °F ( 0.022 mA/°F ) .
Analog output	Analog output: 4 to 20 mA. <i>* linear to temperature</i>
Loop impedance	Max. 200 Ohms@24 V DC. Max. 100 Ohms@12 V DC.
Emissivity	Fixed at 0.95 .
Response time	0.3 Seconds approximately.
Accuracy	3.0% of temperature reading. or 3.0°C/5.4°F, whichever is greater.
Repeatability	1% of measured value or 1°C/ 1.8°F, whichever is greater.
Connection cable	1 m length.
Power supply	Isolated Power 12VDC to 24VDC@20 mA. <i>* Ripple &lt; 2.5%</i>
Operation Temp.	0°C to 70°C /32°F to 158°F.
Operation humidity	Max. 85% RH.
Housing	Stainless Steel Tube.
Mounting Nut	M22.
Dimensions	L= 110 mm x $\Phi$ =22 mm .
Weight	164 g.
Enclosure rating	IP50 .