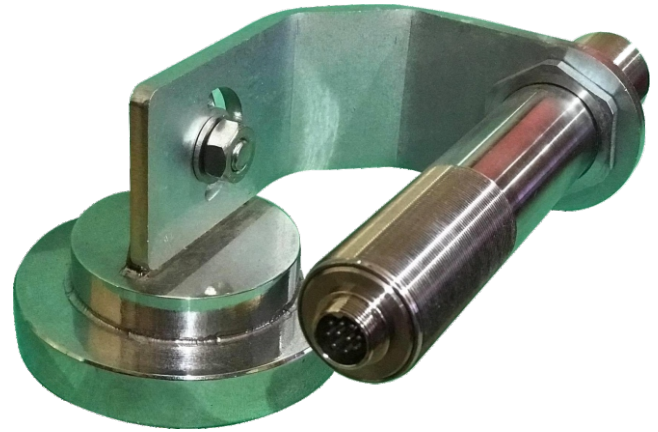


# Infrared Pyrometers



## Features

- Wide temperature range: 250 to 2250 °C
- Programmable relay output
- Simultaneous analog and digital outputs
- Fast response times down to 20 ms
- Isolated analog output
- Ambient temperatures to 175 °C
- Rugged stainless steel housing, IP65
- CSC software for remote configuration, remote monitoring and field calibration

## Technical Specifications

| Model                        | CSC-250                                 | CSC-450        | PIN                       | COLOUR | DESCRIPTION  |
|------------------------------|---|----------------|---------------------------|--------|--------------|
| Temperature Range            | 250 to 1650 °C                          | 450 to 2250 °C | A                         | Yellow | 485-A        |
| Spectral Range               | 5µm                                     | 1.1µm          | B                         | White  | 485-B        |
| Distance to Spot Ratio       | 50:1                                    | 100:1          | C                         | Orange | Relay        |
| Response Time                | 60ms                                    | 20ms           | D                         | Grey   | Relay        |
| Accuracy                     | ± 2%                                    | ± 1%           | E                         | Green  | +mA Out      |
| Emissivity (ε)               | 0.100 - 1.100                           |                | F                         | Blue   | -mA Out      |
| Analog Output                | 4 - 20 mA                               |                | G                         | Black  | Power Ground |
| Digital Output               | RS-485 (2 Wire Half Duplex) Networkable |                | H                         | Red    | +24 VDC      |
| Relay Output / Response time | 48 V, 300 mA / < 2 ms                   |                | Note : Twisted Pairs* A/B |        |              |
| Power Supply                 | 24 VDC, 500 mA                          |                | GX16 - 8 Pin Connector    |        |              |
| Operating Temp. Range        | without cooling 0 to 65 °C              |                |                           |        |              |
|                              | with air cooling 0 to 120 °C            |                |                           |        |              |
|                              | with water cooling 0 to 175 °C          |                |                           |        |              |
| Storage Temp. Range          | -20°C...70°C                            |                |                           |        |              |

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