
















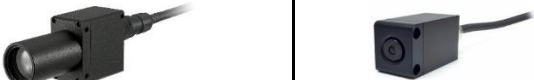







PyroCube Pyrometers for Special Applications (Summary)



| | S | | | F | | G | | | |
|--|---|---|---|---|---|--|---|---|---|
| Application | General purpose | | | Fast response | | Glass | | | |
| |  | | |  | |  |  | | |
| Description | <p>The general-purpose PyroCube S is suitable for measuring most non-reflective non-metals.</p> <p>Advantages over other general-purpose sensors are the built-in LED aiming light, fast response time, and small measured spot size.</p> | | | <p>The PyroCube F has a lightning-fast response time of 0.001 seconds.</p> | | <p>Glass-specific measurement wavelength for improved accuracy when measuring glass surface temperature.</p> <p>G models are ideal for annealing, e.g. light bulb and fluorescent lamp manufacturing.</p> <p>GH models are suitable for high-temperature glass melting, such as in glass-to-metal sealing.</p> | | | |
| | 2 - 7 μm | | | 2 - 7 μm | | 5 μm | | | |
| | 0°C - 500°C | | | 0°C - 500°C | | 50°C - 1200°C | | 50°C - 2400°C | |
| | 10 ms | | | 1 ms | | 50 ms | | 10 ms | |
| Model No. PCU- | S1.6 | S3.0 | S5.5 | F3.5 | F7.0 | G7.0 | G20.0 | GH2.2 | GH4.5 |
| Focal Spot Diameter (mm) |  |  |  |  |  |  |  |  |  |
| | 1.6 | 3 | 5.5 | 3.5 | 7 | 7 | 20 | 2.2 | 4.5 |
| Focal Distance (mm) | 35 | 70 | 120 | 100 | 200 | 180 | 500 | 150 | 300 |
| Maximum Measurement Distance (mm) | 150 | 200 | 300 | 300 | 500 | 500 | 1000 | 300 | 500 |

PyroCube Pyrometers for Special Applications (Summary)



| PyroCube Type | P | | XS | | M | | | | | |
|-----------------------------------|---|--|---|--------|--|-------|---|---|---|---|
| Application | Thin film plastics | | Very small targets | | Metals, low temperature | | | | | |
| |  | |  | |  | | | | | |
| Description | Accurately measures the temperature of thin film plastics that cannot be measured with general-purpose sensors. Materials include polyolefin, polyamide, polyethylene, polypropylene, polystyrene, nylon, PVC, acrylic, polyurethane and polycarbonate. | | Extremely small measured spot size. Applications include measuring individual electronic component temperatures on a circuit board, and plastic welding where the seam is very narrow. | | Short-wavelength sensors for measuring metals as cool as 50°C, with a very fast response time of 0.001 seconds and a very small measured spot size | | | | | |
| Wavelength | 3.4 μm | | 5 - 7 μm | | 2.2 μm | | | | | |
| Temperature Range | 80°C - 350°C | | 0°C - 500°C | | 50°C - 600°C | | | | | |
| Response Time | 10 ms | | 10 ms | | 1 ms | | | | | |
| Model No. PCU- | P12.0 | | XSA0.7 | XSB1.0 | MA1.0 | MA2.0 | MA3.5 | MB11.0 | | |
| Focal Spot Diameter (mm) |  | |  | |  | |  |  |  |  |
| | 12 | | 0.7 | 1 | 1 | 2 | 3.5 | 11 | | |
| Focal Distance (mm) | 200 | | 40 | 100 | 50 | 100 | 200 | 200 | | |
| Maximum Measurement Distance (mm) | 500 | | 100 | 300 | 100 | 200 | 400 | 500 | | |