# RAD System

## Motorized Target Wheel System

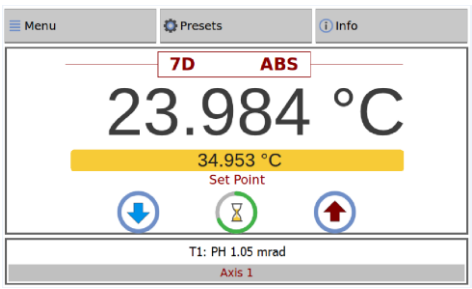


RAD Systems are used for accurate positioning and replacement of optical targets at the collimator focal plane or directly in the line of sight of imager systems

As one of the basic building blocks in electro-optical testing for imaging applications, CI Systems' RAD System offers a broad spectrum of models accommodating various numbers of targets illuminated by various sources.

## FEATURES

- High accuracy target positioning
- RAD systems are easily integrated with large variety of radiation sources offered by CI-Systems, including sources in the IR, SWIR and visible wavebands. Their controllers offer various communication options.
- Broad selection of high-accuracy targets available for testing in the IR/SWIR/VIS ranges.
- RAD Systems are painted with high emissivity coating.
- Shield Cover included (shown on next page)




*SR-800N* Blackbody Controller touch screen

CI SYSTEMS
www.ci-systems.com

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### Models Available

| Model: | Number of target plates In motorized wheel | Target plate Diameter (maximum size) | Possible size of emitter |
|---|---|---|---|
| RAD-8/2D | x8 | 22mm | 2” emitter size |
| RAD-6/4D | x6 | 100mm | 4” emitter size |
| RAD-6/7D | x6 | 100mm | 7” emitter size |
| RAD-12/4D | x12 | 50mm | 4” emitter size |
| RAD-12/7D | x12 | 50mm | 7” emitter size |

**Notes**:

1) The aperture wheel and the shield cover are painted with a high emissivity black coating, with emissivity of 0.98± 0.02
2) Standard angular resolution for all models above is 0.075°. Optional angular resolution of 0.03° available upon request.
3) Radiation Sources SR800N-XX Blackbody models or Integrating Sphere SR300N-XX models (to be ordered separately). The Controllers are used to control the rotation and positioning of the RAD Systems.
4) Target plates to be defined and ordered separately.

RAD System without Shield cover

RAD System with Shield Cover



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