

DInAs3800-TE

DInAs3800-TE Cooled InAs Detector

A thermoelectrically cooled indium-arsenide detector assembly for 1-3.8 μm measurements. Current output connects to a suitable transimpedance stage or compatible current-input acquisition unit.

1. Infrared signal

2. TE-cooled InAs

3. Current acquisition

Best suited to

Single-point near- and mid-infrared wavelength scanning.

Configuration

Specify the expected current and bandwidth with the acquisition electronics. The ZTC controller is required for cooled operation; confirm the complete detector, controller and amplifier configuration.

Specifications

Published parameters	
Response	1–3.8 μm
Active diameter	2 mm
Peak responsivity	1.5 A/W
Detector temperature	–40 °C
Temperature stability	± 0.5 °C
Controller	ZTC
Output	Current, positive polarity

Measurement features

- Two-stage TE-cooled detector element.
- Regulated detector operation with a ZTC controller.
- Compatible current acquisition or external I-V amplification.

Configuration note

InAs is distinct from the DInGaAs TE-cooled detector family. Imported sensing elements are components within the Zolix detector assembly.

Full configuration: www.precisometer.com/spectroscopy/spectral-imaging/dinas3800-te