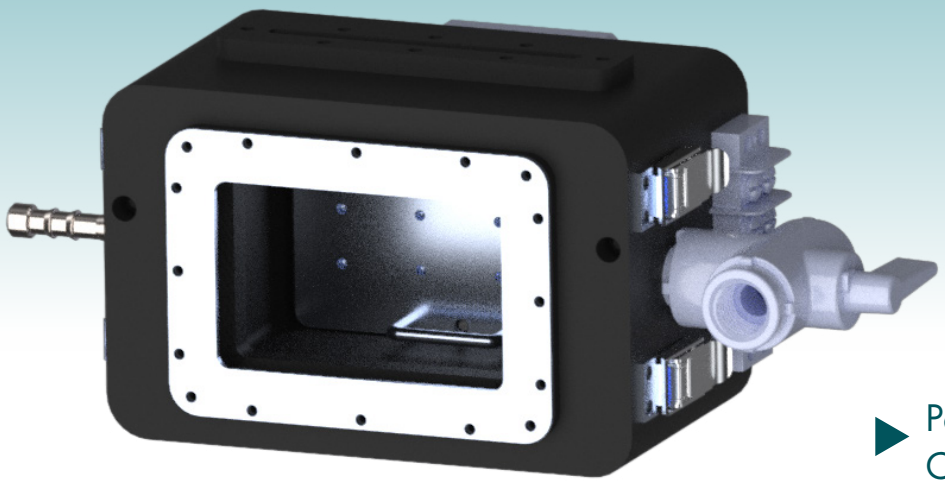
sheetak
Advanced Thermoelectrics



Packaged with Sheetak's patented CENTUM® C3 thermoelectric devices

QOOLSENSE™

Thermal Test Chamber

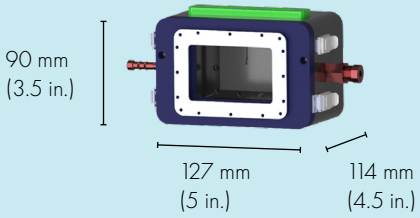
Designed for researchers, engineers, and developers working with optical sensors or other low-power electronics in R&D, prototyping, and pre-production phases, QOOLSENSE™ offers a compact, precise, and easily deployable solution for thermal testing.

With advanced thermoelectric cooling and heating technology, wide-range temperature control, and flexible mounting options, QOOLSENSE™ delivers reliable performance in diverse testing scenarios.

Features and Advantages

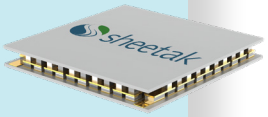
- ***Compact enclosure***

  Fits into tight lab spaces without sacrificing performance.



- ***Thermoelectric tech based***

  Provides more **precise temperature control** and less complex setup (**no condensed air or gases**).



- ***Transparent viewing port***

  Ideal for testing optical sensors (allows light into enclosure).

- ***Wide temperature range***

  -40°C to 120°C

- ***Swappable mounts***

Features

Cable Feed-Through: Removable component enabling power and signal connections to the Device Under Testing.
Moisture Purging System: Integrated barbed connector for purging moisture using a vacuum line, low-pressure nitrogen, or clean dry air (CDA).
Swappable Mounting Plates: Standard plates feature multiple mounting holes for different device configurations. Custom plates available upon request.
Glass Wall: Optional component. Ensures light can pass into the chamber for accurate optical sensor testing. Allows external infrared thermal camera measurements.
Modular Heat Rejection System: Adaptable to varying lab environments, ensures efficient heat dissipation.
External Controller: Controls temperature and powers the device. Collects testing data for seamless integration with other lab systems.