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Pyramid Documentation

Ion Chamber - QIC-6E Unpacking instructions

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Author/Attendees: Greg Dart

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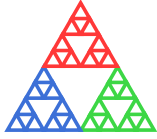
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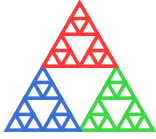


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Table of Figures

No figures included in this document



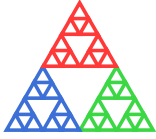
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1 Introduction

 **Document ID:** 2835218522

Author	Greg Dart
Owner	Manufacturing Lead
Purpose	Describe proper unpacking instructions for QIC-6E
Scope	QIC-6E
Intended Audience	Owner or receiver of Ion Chamber device
Process	NOT APPLICABLE
Training	NOT APPLICABLE

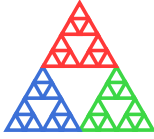


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2 Overview

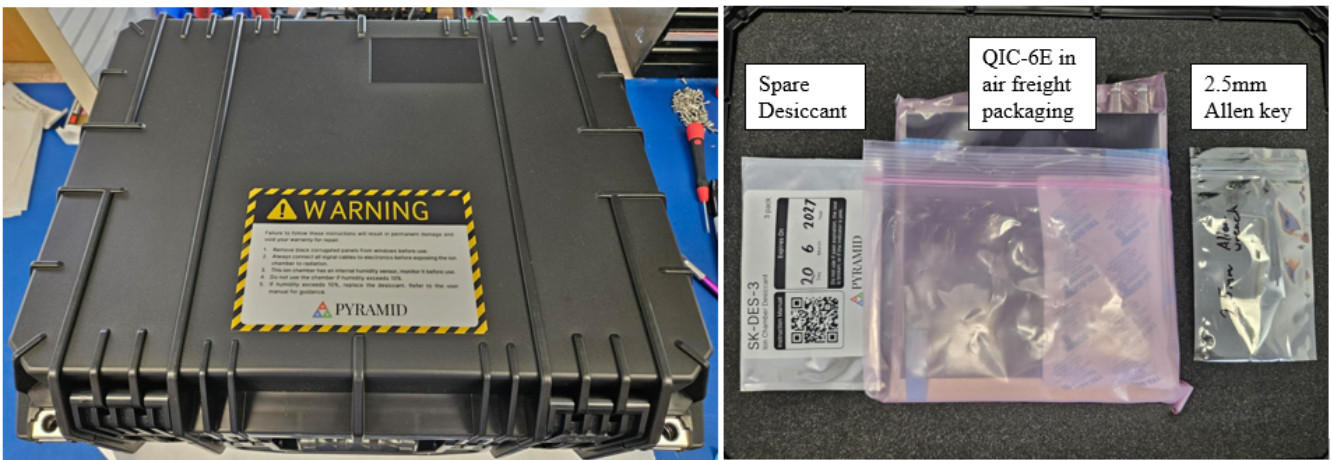
The QIC-6E is shipped with the desiccant port unsealed to prevent damage due to pressure differences in air transit. Please complete the following procedure upon receiving the Ion Chamber (referred to as the IC in the document). Once the IC is removed from the bag, sealing it should be completed quickly to keep the internal humidity low.



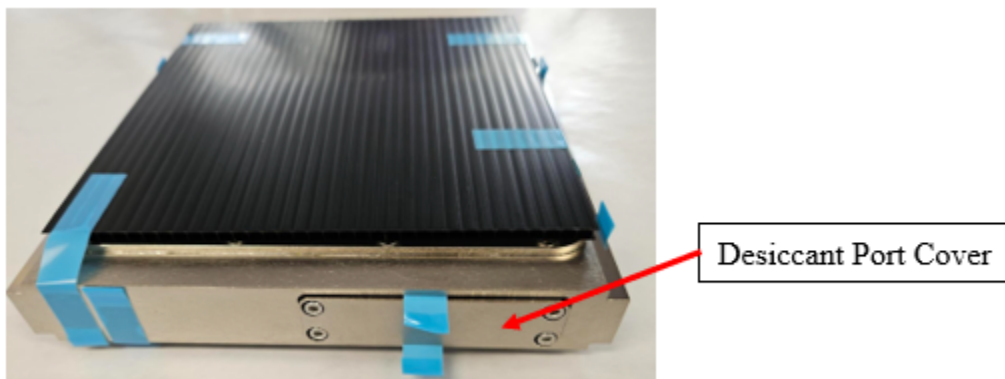
3 Unpacking Instructions

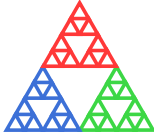
Tools required: 2.5mm Allen key (included)

1. The IC shall arrive as shown below. Remove the IC and the Allen key from the carrying case.



2. Remove the IC from the bag and completely remove the 4 screws on the desiccant port cover using the 2.5mm Allen key.

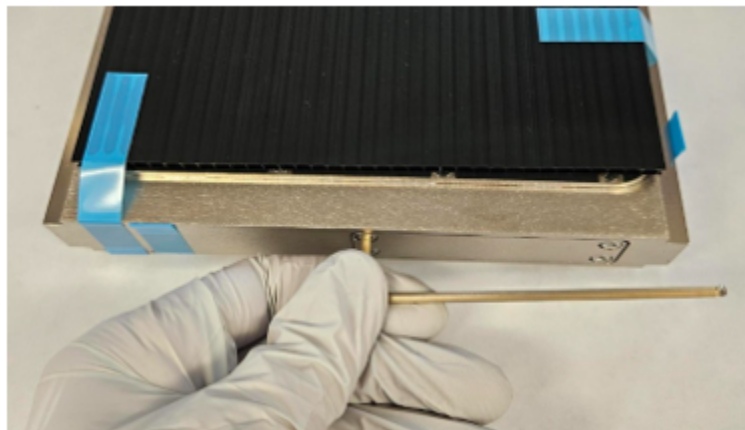




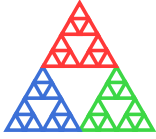
3. Remove the blue tape from the desiccant port cover. Be sure the O-ring and O-ring sealing surface are clean with no obstructions. Replace the panel on the IC. The panel does not have a particular orientation.



4. Gradually fasten the mounting screws in a rotary pattern until secure.




✓ **UNPACKING PROCEDURE COMPLETE**



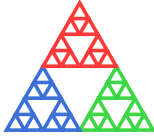
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4 Before Exposing The IC To Radiation

 Read and perform the following before exposing the IC to Radiation

1. Monitor environmental conditions with readout electronics.
2. **Do not turn on high voltage until internal humidity is below 10%**
3. **Remove the black corrugated plastic covers before running beam. Use gloves and do not touch the windows when mounting IC.**



5 Document Control

5.1 Approvals

This document has been reviewed and approved as follows.



Document Control

Current document version: v.1

No reviewers assigned.

5.1.1 Signatures

for most recent document version

Thursday, Jun 20, 2024, 08:08 PM UTC

[Greg Dart](#) signed (meaning: **Approval**)

Thursday, Jun 20, 2024, 08:08 PM UTC

[Harvey Jules Nett](#) signed (meaning: **Approval**)

5.2 Revisions

Version	Description	Saved by	Saved on	Status
v1	Initial release	Harvey Jules Nett	Jun 20, 2024 8:07 PM	APPROVED