Heavy duty, industrial grade protection for thermal imagers in both outdoor and factory installations.

**VC (Vortex Cooled) Enclosure for Thermal Imagers**

- Rugged design for outdoor and indoor use in Industry
- Environments -40 to 65 °C (150 °F)
- Integrated Window purge to prevent dust and dirt on the window
- Easy to adjust
- Suitable for Hazardous Areas
- Compatible IR Cameras: M7500, MC320, MCL640, MCS640

The VC Enclosure for Thermal Imagers is designed to protect the cameras from weather and temperature changes, even in hazardous areas.

Robust and reliable for long-term installation, this accessory can be added to the M7500, MC320, MCL640, or MCS640 to ensure the thermal imaging system operates with proper accuracy even when subjected to high temperatures and direct sunlight.

For operating in colder temperatures, an optional heater is available allowing for operation in temperatures as low as -40 °C.

Area and window purges can also be used if dust and debris is an issue.

**Key Features**

- Powder coated aluminum enclosure with insulation
- Mount with pivot and rotation adjustment
- Integrated air cooling
- User friendly design for access and ease of installation
- Optional heater
- Window purging inlet
- Inlet and reference ports available for hazardous area purge (optional)
**Technical Data**

**Performance**

- **Temperature ranges:** 0 to 65 °C (-40 to 65 °C with optional heater)
- **Field of View:** Varies with camera (consult with sales)
- **IP Rating:** IP 66, NEMA 4X

**Mechanical**

- **Cooling Air Budget:** 15 cfm @ 90-100 psi (1/4" NPT connection)
- **Heater Power:** 100 W
- **Internal Pressurized Purging:** Minimum required (only used for purge option in hazardous areas)
- **Housing Material:** Aluminum Alloy (powder coated)
- **Weight:** approximately 25 lbs (11kg)

**Dimensions**

Dimensions in inches [mm]

**Reference Numbers**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Compatible Cameras</th>
<th>Window</th>
<th>Optional Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>812-0302-02</td>
<td>MCS640, all lenses</td>
<td>Pyrex, 57 mm (2.25&quot;)</td>
<td>Hazardous Area Purging Kit</td>
</tr>
<tr>
<td>812-0302-03</td>
<td>M7500 (11°, 21°, 75° lenses)</td>
<td>AR coated Germanium, 100 mm (4&quot;)</td>
<td>Heater Kit</td>
</tr>
<tr>
<td>812-0302-03</td>
<td>MC320 (11°, 21°, 75° lenses)</td>
<td></td>
<td>Spare Pivot Bracket</td>
</tr>
<tr>
<td>812-0302-05</td>
<td>MCL640 (14°, 26°, 57°, 77° lenses)</td>
<td>AR coated Germanium, 30 mm (1.2&quot;)</td>
<td>Reconditioning Gasket and Hardware Kit</td>
</tr>
<tr>
<td>812-0302-01</td>
<td>MC7500 53° lens</td>
<td>AR coated Germanium, 30 mm (1.2&quot;)</td>
<td>Sunshade Kit</td>
</tr>
<tr>
<td>812-0302-01</td>
<td>MC320 53° lens</td>
<td></td>
<td>Tool Locking Kit (to replace the quick-release latches)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Spare Windows</td>
</tr>
</tbody>
</table>

**Electrical**

- **Power Input:** Universal AC standard (DC optional)
- **Connection:** 1/2" NPT port to internal terminal contacts
- **Communication:** Ethernet, 1/2" NPT for Ethernet cable conduit

**Options**

- **Heater:** Included standard (for 120 VAC systems)
- **Hazardous Area Purge:** Available with Type X and Type Z purges certified UL, CSA, and IECEx
- **Window Purge:** Included and use is optional, connection 1/4" NPT

**Note:** Product specifications are subject to change.

**For international contact information, visit advancedenergy.com.**

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ENG-VC enclosure-231-01 4.05