

2 Assembly

OMX331 ORCA Connect 23L 2°C to 8°C



Component		Quantity
A _i	Top and Bottom ORCA M 23L Plantol Bottles	2
A _{ii}	Front and Back ORCA M 23L Plantol Bottles	2
A _{iii}	Side ORCA M 23L Plantol Bottles	2
B	Payload	1
C	ORCA Connect 23L Case	1
Di	Document Case	1
Dii	Logger Housing	1

2.1 Conditioning

- 2.1.1 Place the ORCA M PCM bottles into a freezer, spaced out to allow good airflow around all six bottles. These bottles should be stored in the freezer for a minimum time of 24 hours and at a maximum temperature of -18°C.
- 2.1.2 Before using, ensure the bottles are frozen solid throughout. Once suitably frozen the bottles can be held in the freezer space until needed.
- 2.1.3 The ideal temperature for the PCM bottles when packing the system is 3°C. If the temperature is above 3.5°C the performance will suffer, if the temperature is below 2°C then there is a risk of cold shocking the payload.
- 2.1.4 To prepare the PCM bottles for packing remove them from the freezer and place in a refrigerated environment of 3.0°C ± 0.5°C. The PCM bottles can be stored in this environment until needed. If the PCM bottles experience a temperature greater than 3.5°C, restart conditioning from 3.1.1.

2.2 Packing Instructions

- 2.2.1 Pack the ORCA Connect 23L system with the front of the case closest to you. Make sure the chosen logger is added to the logger housing (Dii) and any documentation is placed in the document case (Di) before following the next steps.
- 2.2.2 Place one bottle (A_i) flat in the base of the ORCA Connect 23L case with the long edges facing the front and back of the system.
- 2.2.3 Pack two bottles (A_{ii}) against the front and back of the ORCA Connect 23L case with the shortest edge in contact with the base of the ORCA Connect insulation.
- 2.2.4 Pack a further two bottles (A_{iii}) against the sides of the ORCA Connect 23L case, one on each side, with the longest side of the bottles resting on the bottom bottle.
- 2.2.5 The payload (B) can be placed into the area defined by the bottles. The remaining bottle (A_i) can now be put on top in the same orientation as the bottom bottle. This bottle will be propped up by the two side bottles.
- 2.2.6 The lid can now be closed and secured by taping along the two areas marked with dotted lines and using security seals through the front locking tabs (C).
- 2.2.7 Your ORCA Connect system is now ready to be shipped.