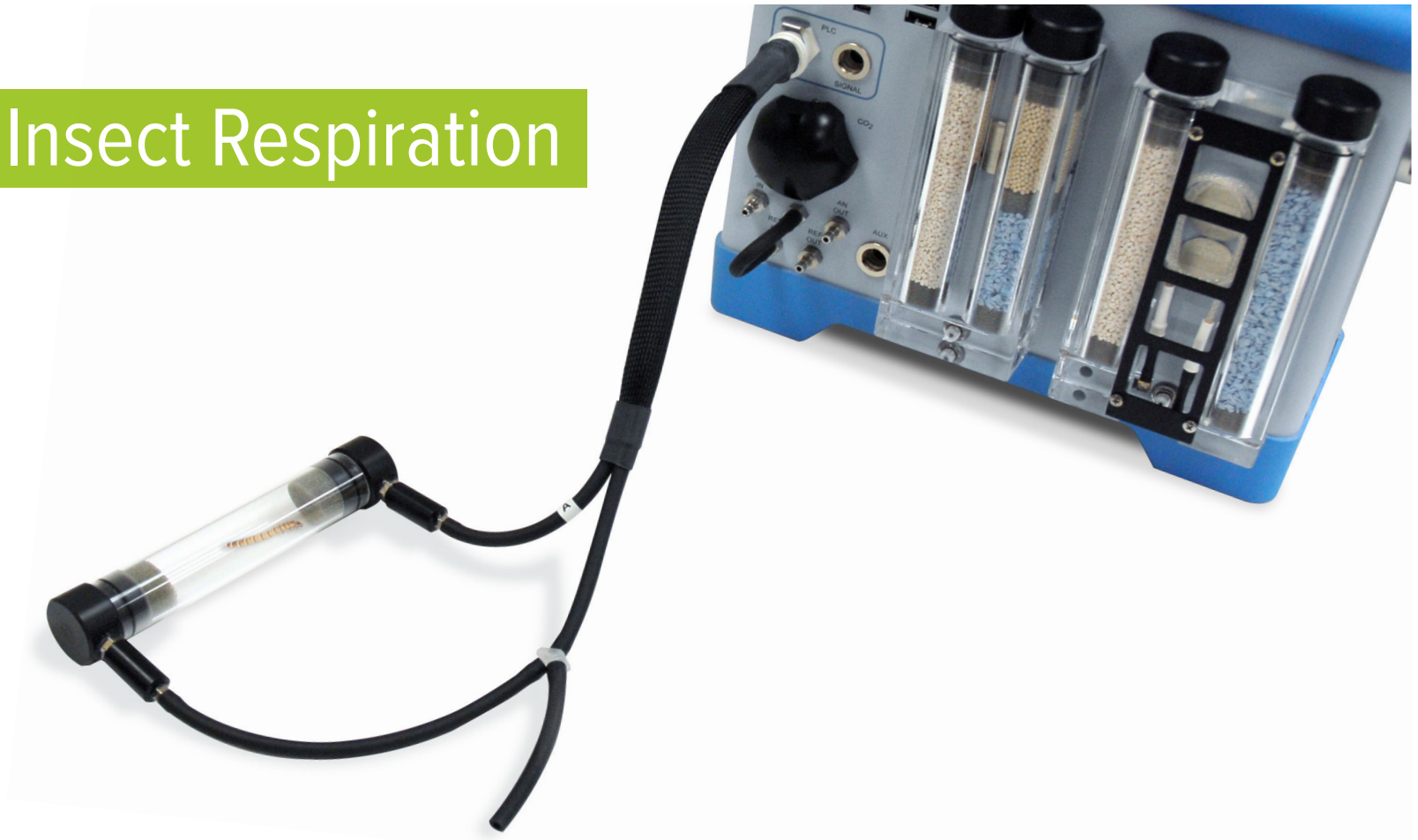
# Insect Respiration



## Insect Respiration Chamber

Our **Insect Respiration Chamber** can be used for measurement of $CO_2$ respiration from small insects. Insect(s) are easily introduced into the chamber by sliding off the black end caps on either end.

There are no electrical connections required. Literally plug and play, the white pneumatic connector snaps right into the PLC "Gas" port on the back of the CIRAS-3. The short gas tubing labeled "A" connects to one end of the chamber and the longer length tubing on the "Y" connector to the other end of the chamber.

The small length of tubing on the "Y" connector is used as a vent to atmosphere. A link pipe between "REF IN" and "AIR OUT" in place as shown is required when performing gas exchange measurements.

| | |
|---|---|
| **Chamber Dimensions** | 15.1 cm (L) x 25 cm (Dia) |
| **Chamber Volume** | 33 $cm^3$ (not including gas tubing) |
| **Cable Length** | .33 m |
| **Chamber Weight** | 65 g |

*The **Insect Respiration Chamber** is compatible with the CIRAS-4 and CIRAS-3 Portable Photosynthesis Systems.*

**CIRAS-4** **CIRAS-3**

*For further information, please contact us at:*


PPSystems.

110 Haverhill Road, Suite 301
Amesbury, MA 01913 U.S.A.
TEL +1 978-834-0505
FAX +1 978-834-0545
EMAIL sales@ppsystems.com



- PP Systems is a registered trademark of PP Systems International, LLC.
- PP Systems is continuously updating its products and reserves the right to amend product specifications without notice.
- All brand names are trademarks of their respective owners.


pp_systems
pp-systems
ppsystemsinc
ppsystems.intl
ppsystemsinc
ppsystems.bsky.social

© 2025 PP Systems International. All rights reserved. 05.25