

Speedy Breedy

Microbial Testing in Potable Water

iWater November 2012

www.cir-strategy.com/events/water

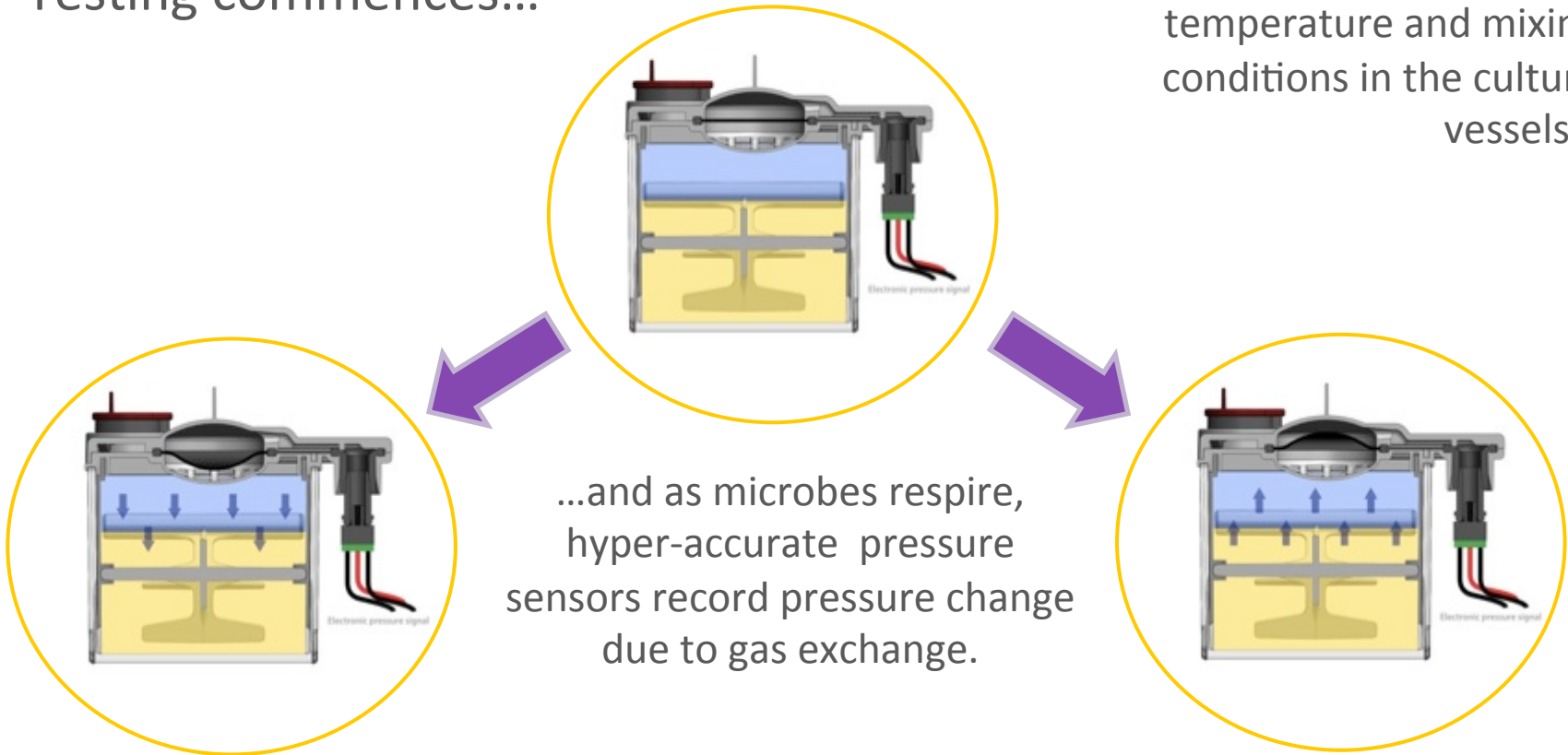


Speedy Breedy

- Versatile microbial respirometer
- Easy to use compact portable instrument
- Robust, suitable for field work
- Enables near real time visualisation of experiments
- Can link to a PC for protocol design, data analysis and management.

Testing commences...

...Speedy Breezy controls temperature and mixing conditions in the culture vessels...



Versatile Microbial testing in hours, not days

Features

- Alarm to indicate a significant event
- Easy to use
- Two temperature controlled testing chambers each at 14 to 44 degrees
- Purpose designed culture vessels
- Advanced mixing and temperature control
- Sealed, easy to populate culture vessels
- Self monitoring and calibration
- On board SD card for experimental results storage
- USB connection
- Network capability



Speedy Breedy Can Work Standalone or With a PC

- PC (Windows compatible) software front-end that enables near real time visualisation of experiments when connected to Speedy Breedy
- Customised protocols are designed and downloaded to Speedy Breedy
- Allows overlaying of up to 10 experiments in a single window
- Experimental results are uploaded for analysis and audit trail



Filter Search

Filter Search

All open tests

SB000128
127
11/01/2012

SB000523
375
20/12/2011

PC
Online
370 tests
38 protocols

SB000128
Testing
5 tests
2 protocols

SB000143
Standby
23 tests
8 protocols

SD-card-SB000233
Online
43 tests
6 protocols

SB000523
Testing
20 tests
5 protocol

SB000623
Testing
20 tests
3 protocols

SD-card-SB000643
Online
33 tests
9 protocols

SB000733
Standby
4 tests

123
Date: 05/01/2012
Protocol: ThTn 123
Testing for: new bacteria
Result: Contaminated

126
Date: 10/01/2012
Protocol: ThTn 123
Testing for: new bacteria
Result: Ok

127
Date: 11/01/2012
Protocol: ThTn 123
Testing for: new bacteria
Result: Contaminated

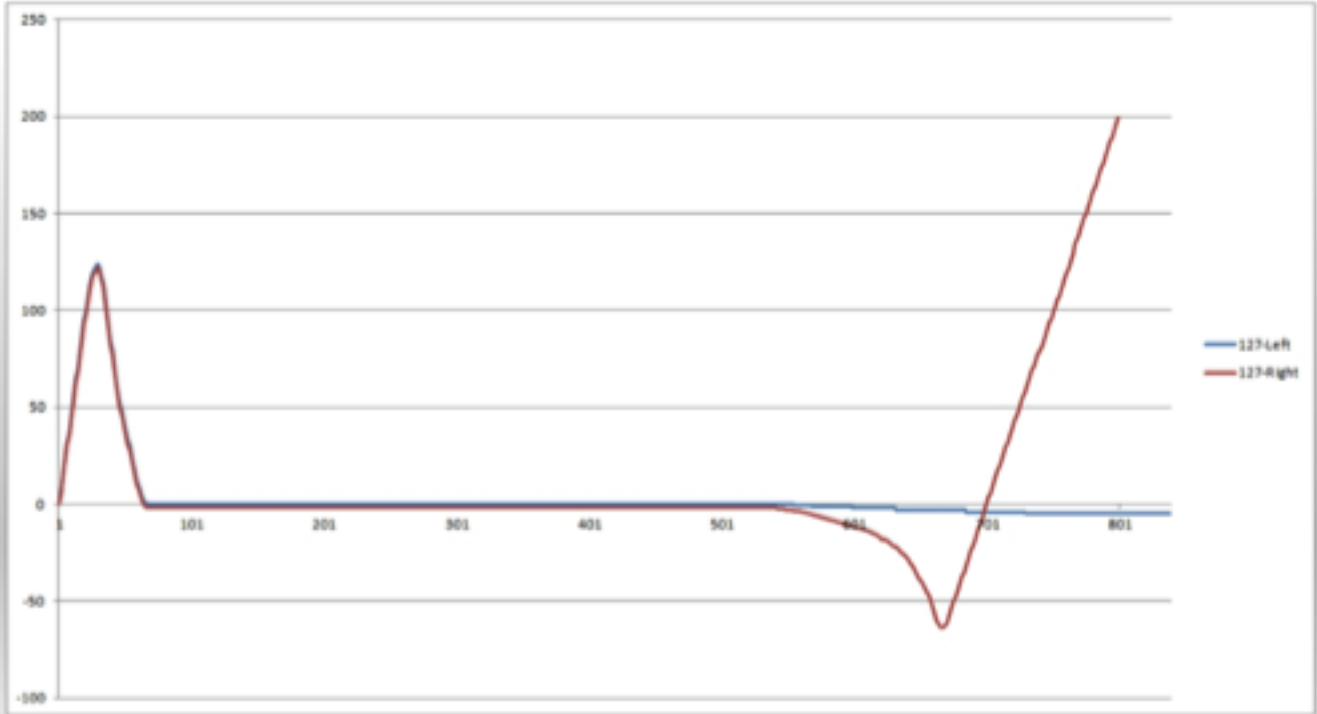
128
Date: 12/01/2012
Protocol: ThTn 023
Testing for: old bacteria
Result: Cancelled

129
Date: 13/01/2012
Protocol: ThTn 023
Testing for: old bacteria
LIVE TEST

Test details

Graph

Table



Speedy Breedy in Potable Water Applications

Faster Deployment of commissioned Equipment

Speedy Breedy enables:

- **On-site testing** (pre-lab)
- Fast indicative results
- Faster deployment
- Better crew planning
- Use the lab for final test
- Huge time and cost savings



- **Cutting deployment times from weeks to days**

Reducing time to test for water pipe contamination

- On site testing of mains water reduces traffic to & from the lab
- Faster test turnaround
- Better crew planning
- Faster resumed services
- Happier customers!”



Testing for Contamination in Slow Sand Filters

- Post scraping the top & biofilm layer
- Test for absence of Coli forms
- Faster resumed redeployment
- @6 megalitres/day
- Speedy Breedy tests in 7 hours
- Saves £1000/day



Speedy Breedy For Testing in the Factory

In offsite manufacturing
Speedy Breedy cuts:

- Time to factory test
- Cost of site testing
- Time to deploy
- Co2 emissions



How Speedy?

Organism	Speedy Breedy	BacT/Alert	Av. Time saving
	Minutes	Minutes	Hours
Escherichia coli (aerobic)	528	864	5.6
Klebsiella aerogenes (aerobic)	690	850	2.7
Pseudomonas aeruginosa (aerobic)	867	1210	5.7
Staphylococcus aureus (aerobic)	628	950	5.4
Bacillus cereus (aerobic)	453	691	4

Sales and Support

- **Speedy Breedy** package retails £2,500
- Price includes software
- Disposable vessel cost £5 each (sold in packs of 8)
- Bactest provides:
 - Phone and email support
 - Web training
 - 12 month warrantee





Speedy Breedy