



E-Cell™ Specifications¹

General Information

PARAMETER	DETAILS
Sensor-monitor communications	Digital – USB Bluetooth
Calibration	E-Cell™ factory calibrated replacement sensor modules
Calibration interval indicator ¹	LED on front: green OK, orange needs replacement, red outside calibration interval, call ChemDAQ immediately for replacement sensor.
Hot Swap sensor module	Yes
Battery Life	Typically > 20 hours, battery life indicator in on/off switch
Warm-up time for new sensor module	< 60s
Weight	230 g (8.1 oz)
Dimensions	12.7 x 8.3 x 5.1 cm (5.0" x 3.25 x 2.0)
Repair	Return to ChemDAQ, no user serviceable parts
Sensor used with	SafeCide™ monitor, Steri-Trac® 2+ monitor

Gas Specific Information

PARAMETER	ETHYLENE OXIDE (ETO)*	HYDROGEN PEROXIDE (H ₂ O ₂)	PERACETIC ACID (PAA)
Sensor Principle	Electrochemical	Electrochemical	Electrochemical
Range	0 – 50 ppm	0 – 20 ppm	0-3 ppm
Accuracy ²	10%	10%	5%
Calibration Interval	4 months	4 months	4 Months
Resolution	0.1 ppm	0.1 ppm	0.01 ppm
Temperature Range	-20 to + 50 °C, (-4°F to 122°F)	0 to + 50 °C, (32°F to 122°F)	-20 to + 50 °C, (-4°F to 122°F)
Pressure Range (steady state)	Atmospheric +/- 10 %	Atmospheric +/- 10 %	Atmospheric +/- 10 %
Response Time (T ₉₀ (s))	< 140	< 150	<120
Relative Humidity	15 to 95 % non-condensing. Dew Point > 0 °C	15 to 95 % non-condensing Dew Point > 0 °C	15 to 95 % non-condensing Dew Point > 0 °C
Repeatability: Greater of X or 5% of signal. X =	0.2 ppm	0.2 ppm	0.02 ppm
Output	Linear	Linear	Linear
Spot-On® Filter	Yes	Not needed	Yes

- Not available yet, specifications preliminary.

¹ Specifications subject to change
² Relative to calibration gas