

Breezy Trace™ Specifications



Breezy Trace™ extends the capabilities of Breezy Blue™ by measuring and recording hydrogen peroxide concentration, relative humidity, and temperature throughout each treatment cycle. These calibrated monitoring devices integrate with Breezy Blue and Breezy Cloud™ to provide objective data for assessing treatment conditions, evaluating cycle consistency, and supporting quality assurance activities across critical spaces.

Breezy Cloud uses Trace measurements to calculate cumulative hydrogen peroxide exposure and, where applicable, generate a predicted *Bacillus atrophaeus* spore log-reduction classification based on Breezy Med validation testing. Infection prevention and EVS teams can use these data to support protocol development, routine quality assurance, documentation, and accreditation readiness.

By making treatment conditions measurable and documented, Breezy Trace helps healthcare facilities confirm that cycles are performed within their intended operating parameters.

Item	Specification
SKU	BTC01
Wireless protocol	Bluetooth® LE
Size	4.1 in x 2.9 in x 1.8 in
Weight	6.8 oz (192.8 g)
Hydrogen Peroxide (H ₂ O ₂) Range	0-200 ppm
Hydrogen Peroxide (H ₂ O ₂) accuracy (30–90 ppm / 70–80°F / 50–75% RH)	Maximum deviation: 18% of the reference reading from Dräger X-node device
Calibration interval (sensor expiration)	1 year from first use
Other environmental sensors	Temperature and Relative Humidity
Operating temperature range	50° F to 90° F (10° C to 32° C)
Operating humidity range	0 to 95% relative humidity, non-condensing
Battery	Energizer Ultimate Lithium L91 (X3), replaceable
Battery life – turned off when not in use	~ 256 fogging events (30 minute sampling)
Breezy Trace location - operating distance	Within 40 feet of Breezy Smart Controller during fogging
Max number of Breezy Traces per fogging event	8
Required equipment for data integration	Breezy Smart Controller (Gen 2), Breezy Cloud
QA classification	predicted log reduction of <i>Bacillus atrophaeus</i> (ATCC 9372) spores based on Breezy Med testing

Predicted log-reduction results are quality-assurance indicators based on Breezy Med validation data and are not direct measurements of microbial reduction during an individual room treatment.