

# Product Data Sheet

## System Model: CED303

### Overview

Our patented technology passively monitors the health of the people within the building; without any swabs, testing kits, or individualised testing required. It works quietly in the background while everyone carries on as normal, detecting signs of illness before anyone shows symptoms. In many cases, we can identify outbreaks up to ten days earlier than traditional methods, giving you time to act before disruption begins.

The CED303 device offers continuous monitoring of a choice of biomarkers and reporting via our cloud-based Dashboard data platform.

### Key Features



#### Early detection of outbreaks

Detect population-level pathogen activity before clinical presentation, without individual testing.



#### Actionable Insights

Implement small actions in any industry to prevent transmission, including increased ventilation, seating arrangements, surface cleaning and handwashing campaigns.



#### Detailed reports and tracking

Measurable impact across your site, with transparent, live reports.



#### Plug and play installation

Our system is designed for easy integration into your existing infrastructure, offering seamless operation with minimal disruption.

#### Compliance

- Data outputs provide environmental surveillance indicators and trend analysis; they do not constitute clinical diagnosis

#### Included in Box

- Untap CED303 monitoring device
- Power cable
- Application-specific consumable kit including reagents and sampling hose
- Quick Start Guide

#### Warranty & Support

- Warranty aligned to service agreement
- Range of support packages available, including swapout

## CED303



Designed and built in UK

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# Technical Specifications

Parameter	Specifications
Description	Fully-automated instrument for permanent or semi-permanent installation with integrated handles and mounting points for fixing to permanent structures. Three-channel multiplexing allows for simultaneous testing against a panel of biomarkers. Optional aesthetic cover for disguise and protection, with tamper-proof and vandal protection features for public infrastructure deployments.
Connectivity	Proprietary 4G/5G connection with optional WiFi.
Power Supply	120-230V AC
Operation	User-replaceable Consumable Kit provides minimum of 4 weeks of continuous testing. Consists of Extraction tray, Detection tray and waste container, all of which may be considered hazardous waste when spent. User-configurable sampling and test scheduling, with onboard sample concentration. Sampling is via a 6mm diameter flexible hose, typically installed via a suitable gland.
Biomarkers Monitored	Detects microbial RNA and DNA (e.g. SARS-CoV-2 RNA, Salmonella DNA) using qPCR. Compatible with future biomarkers without hardware upgrade or modification. For full list contact <a href="mailto:hello@untaphealth.com">hello@untaphealth.com</a>
Limits of Detection	Biomarker specific but typically Gene copy number >10 copies/mL, equivalent to benchtop equipment.
Operating Conditions	5 - 40° C, Non-condensing relative humidity.
Device Weight	Approx. 30 kg (two-person handling recommended).
Dimensions	600 × 450 × 450 mm (W × D × H)

## Contact Us

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