

# The NEW GastroCH<sub>4</sub>ECK<sup>®</sup>

Portable breath methane and hydrogen monitor to aid in the detection of lactose, fructose & glucose intolerance, aswell as IBS & SIBO.

## Features and benefits

- Instant Boot Up with no warm up
- New and improved sensor technology
- Two sample modes; breath bag and direct sampling
- Full color touchscreen
- Sample Correction using O<sub>2</sub>
- Service diagnostic management
- Intuitive interface
- Automatic calibration
- Maintenance reminder



## Ideal for

- Gastroenterologists
- Dieticians
- GP's
- Endoscopy departments
- Gastro paediatrics



*Helping detect gastrointestinal disorders, one breath at a time.*

**www.covita.net | 800.707.5751**

# Technical specification

Concentration range	CH <sub>4</sub>	0-200ppm	
	H <sub>2</sub>	0-200ppm	
	O <sub>2</sub>	14-23%	
Power input	230V/100V, 50Hz-60Hz, 0.5-1.0 A		
Fuse	T 3.15 AH		
Warm-up time	30 minutes		
Calibration frequency	Every 4 weeks		
Display	Full colour touchscreen		
Detection principle	Electrochemical sensor (O <sub>2</sub> & H <sub>2</sub> ) Infrared (CH <sub>4</sub> )		
Accuracy	CH <sub>4</sub>	Resolution	1ppm
		Accuracy	±10% of reading
		Repeatability	<5% difference on consecutive readings
	H <sub>2</sub>	Resolution	1ppm
		Accuracy	±10% of reading
		Repeatability	<5% difference on consecutive readings
	O <sub>2</sub>	Resolution	0.1ppm
		Accuracy	±2.5% of reading
		Repeatability	<5% difference on consecutive readings
Carbon monoxide cross-sensitivity (H <sub>2</sub> only)	<1%		
Temperature range	Operating	15-35°C (59°-95°F)	
	Storage	0-40°C (32°-104°F)	
Pressure range	Operating	900-1100mBar	
	Storage	800-1200mBar	
Humidity range	Operating	30-75% non-condensing	
	Storage	15-90% non-condensing	
Sensor operating life	CH <sub>4</sub>	5 years	
	H <sub>2</sub>	2 years	
	O <sub>2</sub>	2 years	
Dimensions	Approx. 474 x 310 x 167 mm		
Weight	Approx. 8kg		
Monitor construction	Case: aluminium		
Classification	Class I ME equipment: (externally powered) Type BF applied part Method of sterilization (not suitable for sterilization) Not suitable for use in an oxygen rich environment Intended for continuous use		
Response time	≤45 seconds		
Warranty	GastroCH <sub>4</sub> ECK® without sensors	2 years	
	CH <sub>4</sub> , H <sub>2</sub> and O <sub>2</sub> sensors	1 year	

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