

GastroCH₄ECK[®] Gastrolyzer[®]

The GastroCH₄ECK[®] Gastrolyzer[®] is a hydrogen and methane device to aid in the diagnosis of gastrointestinal disorders.

Features and benefits

Laser sensor technology

Two sample modes; remote breath testing

via a breath bag and direct testing via a mouthpiece

Full-colour touchscreen

Service diagnostic management

Laser gas detection

Intuitive interface

Automatic calibration

Maintenance reminder

Ideal for

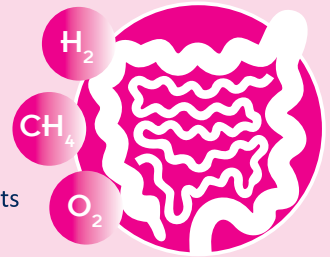
Gastroenterologists

Dieticians

GP's

Endoscopy departments

Gastro paediatrics



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

www.gastrolyzer.com

Technical Specification

Concentration range	CH ₄		0-200ppm
	H ₂		0-200ppm
	O ₂		14-23%
Power input			230V/100V, 50Hz-60Hz, 0.5-1.0 A
Fuse			T 3.15 AH
Calibration frequency			Every 4 weeks
Start-up time			≤2 minutes
Display			Full colour touchscreen
Detection principle			Electrochemical sensor (O ₂ & H ₂) Laser (CH ₄)
Accuracy	CH ₄	Resolution	1ppm
		Accuracy	±10% of reading
		Repeatability	<5% difference on consecutive readings
	H ₂	Resolution	1ppm
		Accuracy	±10% of reading
		Repeatability	<5% difference on consecutive readings
	O ₂	Resolution	0.1%
		Accuracy	±10% of reading
		Repeatability	<5% difference on consecutive readings
Carbon monoxide cross-sensitivity (H ₂ only)			<4%
Temperature range	Operating	15-35°C (59°-95°F)	
	Storage	0-40°C (32°-104°F)	
Pressure range	Operating	912-1114mbar (Atmospheric ±10%)	
	Storage	912-1114mbar (Atmospheric ±10%)	
Humidity range	Operating	30-75% RH (non-condensing)	
	Storage	15-90% RH (non-condensing)	
Sensor operating life	CH ₄	5 years	
	H ₂	2 years	
	O ₂	2 years	
Dimensions			Approx. 474 x 310 x 135 mm
Weight			Approx. 8.5kg
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 ₄ ECK® without sensors		2 years*
	CH ₄ , H ₂ and O ₂ sensors		1 year

*Subject to maintenance and service.

Visit www.bedfont.com/resources to view this document in other languages.



Bedfont Scientific Ltd.
Station Road, Harrietsham, Maidstone
Kent, ME17 1JA, England.
Tel: +44 (0)1622 851122, Fax: +44 (0)1622 854860
Email: ask@bedfont.com Web: www.bedfont.com



Stephen Rowe
Cristimar E4-1
Ave Juan Carlos I
Los Cristianos, Arona, 38650
Santa Cruz de Tenerife, Spain

