



Quick Start Guide

Gastrolyzer® | Helping to Detect Gastro-intestinal Disorders



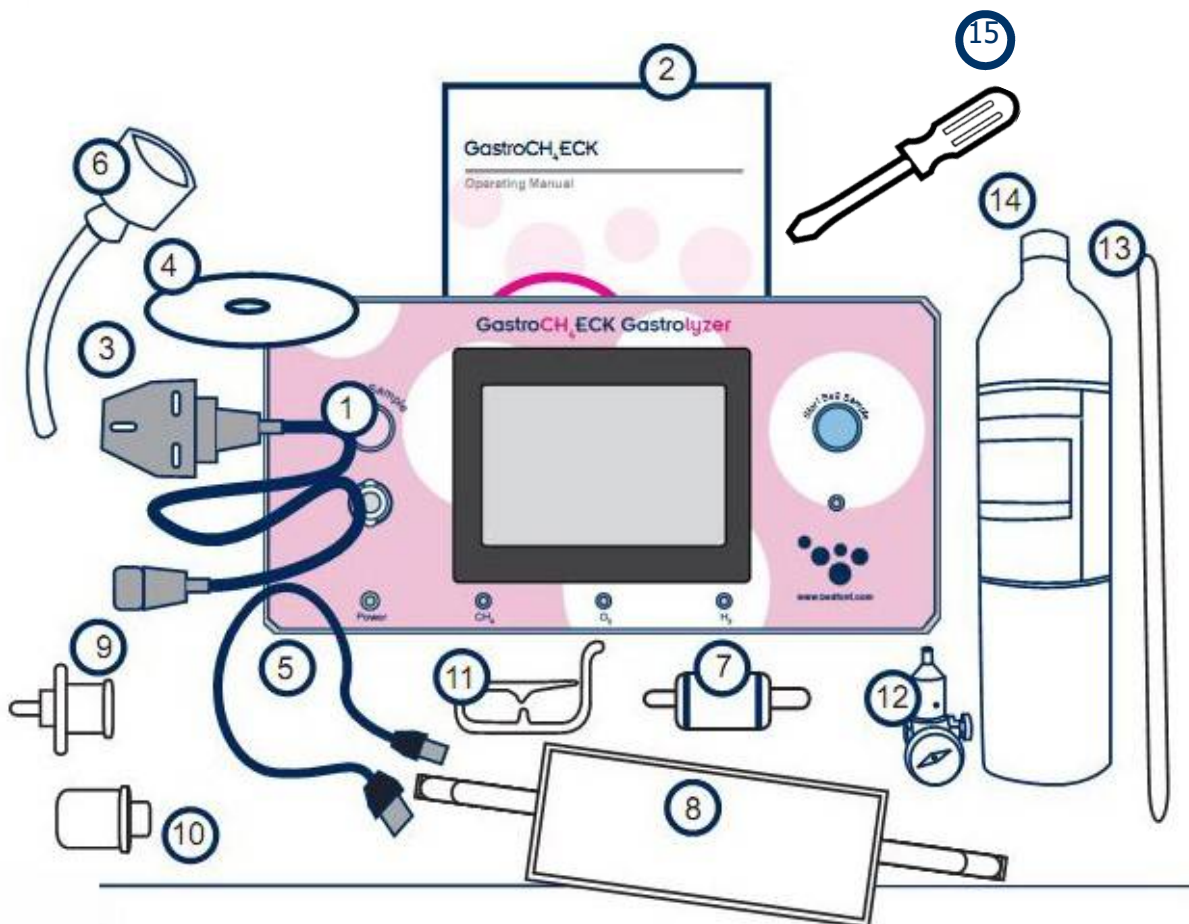


Pack Contents List

1. GastroCH₄ECK Monitor
2. Operating Manual
3. Power Cable
4. GastroCH₄ECK software
5. USB cable
6. Sampling Line
7. Moisture (Desiccant) Filter
8. Breath Bag (optional)
9. Breath Bag Mouthpieces (optional)
10. Direct Sampling Mouthpieces
11. Bag Clamp (optional)

Calibration Kit Contents

12. Calibration Regulator
13. Calibration Tubing
14. Combination Gas Canister
15. Screw Driver

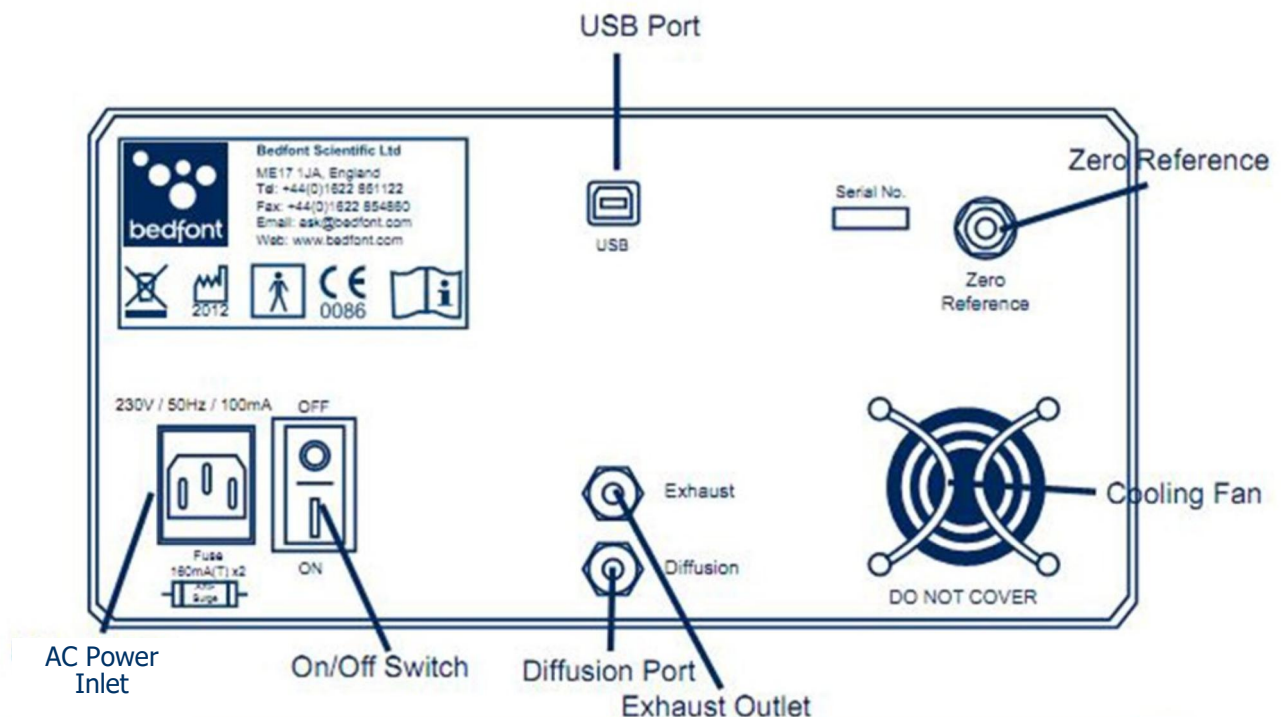
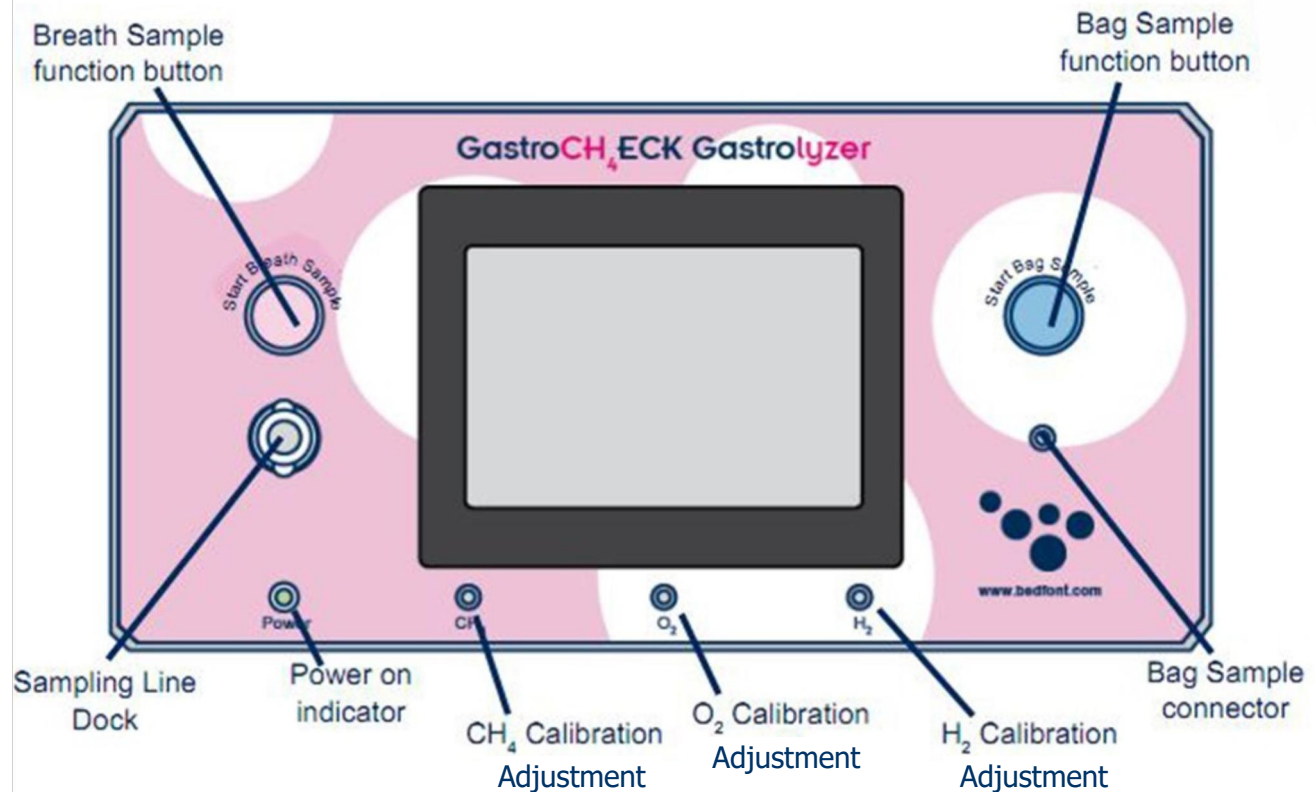




Gastrolyzer[®] GastroCH₄ECK[™]



Instrument Layout



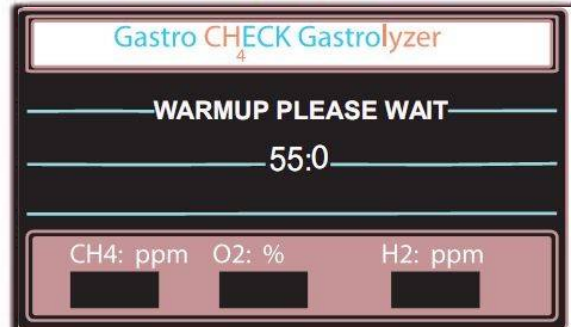


Gastrolyzer[®] GastroCH₄ECK[™]

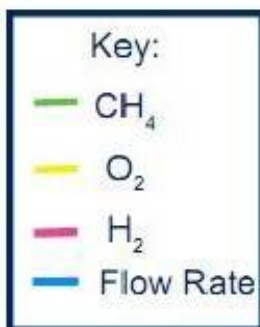


Display Symbols

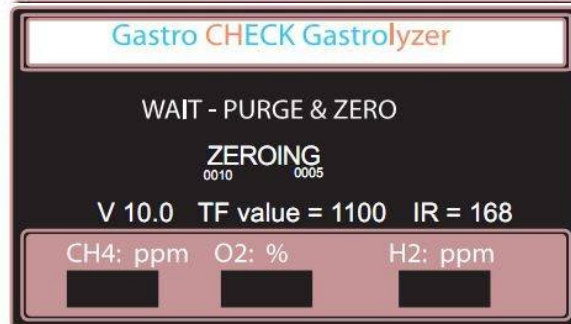
Screen at startup
**30
Minutes**



Screen when idle



Screen when zeroing /
purging
**90
Seconds**



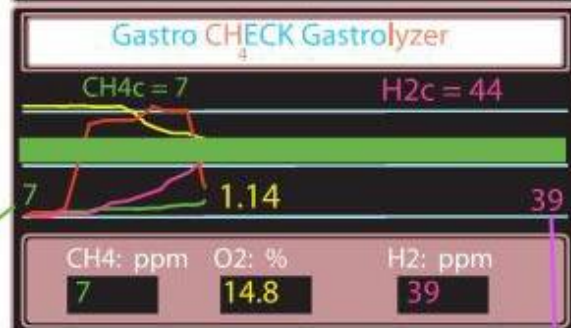
Screen when test is running



Screen when test result is displayed

CH₄c = Corrected CH₄
H₂c = Corrected H₂
1.14 = Correction Factor

Real Time CH₄



Peak Methane Real time Oxygen Peak Hydrogen Real Time H₂



Setting up the GastroCH₄ECK

1. Connect the power lead to the GastroCHECK via the socket on the rear of the panel (please see instrument layout), then connect the other end to an electric outlet. (fig. 1)
2. Switch the monitor on using the on/off (fig. 2) switch on the back of the unit. The green LED will light up.

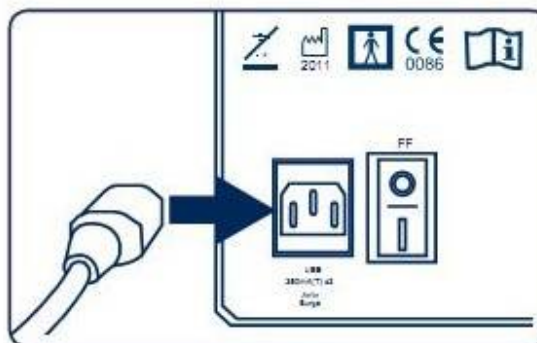


fig. 1

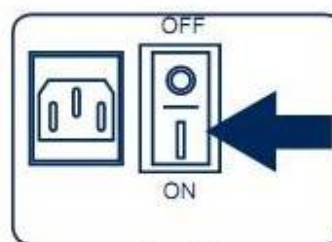


fig. 2

The GastroCHECK monitor will begin a purging process and the LCD will display a start up screen. (fig. 3)

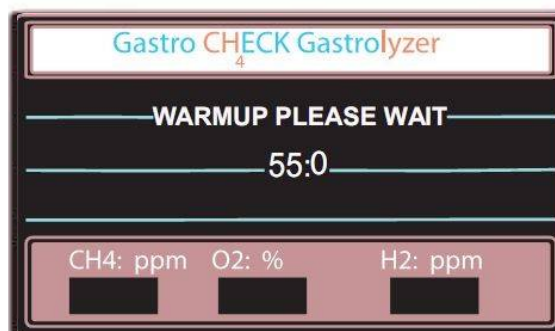


fig. 3

3. Connect the sampling line to the sample line dock for the direct breath sample (fig. 4)

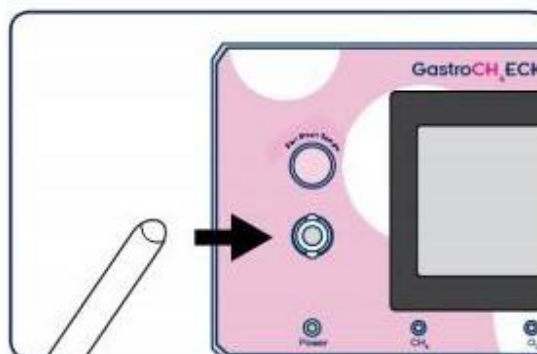


fig. 4



Quick Start Guide

Direct mode

4. After switching on the GastroCHECK, the screen will display a **warm up** screen. (fig. 6.) Leave the monitor warm up for **30 minutes**. The monitor will display a count down. At the end of the countdown, the monitor will beep and will then display the **START SAMPLING** screen. (fig. 7)
5. To perform a **real time** breath test, attach the sampling line into the docking port on the monitor, and push the mouthpiece into the soft silicone adapter on the sampling line. (fig. 8)
Note: This single patient use mouth-piece can be used for the duration of the test, and must be disposed of at the end of the day.
6. **Press** the "**Breath Sample**" button on the GastroCHECK to initiate a breath test (fig. 9)
7. The monitor will commence a purge and zero routine. This should take approximately **90 seconds**. On completion of the zero routine, the monitor will issue a beep sound. (fig. 10)
8. At the sound of beep, the screen will display **BREATH HOLD 15** (fig. 11).
Immediately, instruct patient to take a deep breath and hold. Patient should be holding their breath for the full **15 seconds**. The patient should **not** be speaking during this time.



fig.6



fig.7

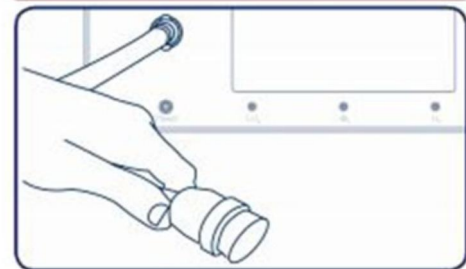


fig.8



fig.9

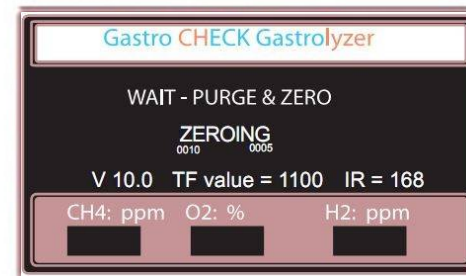


fig.10

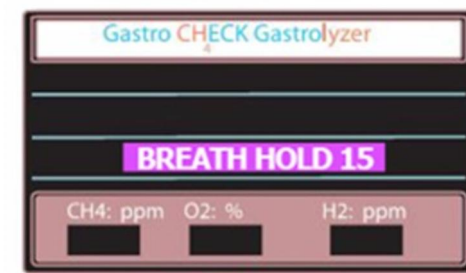


fig. 11



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Direct mode

- After the **15 second** countdown, and the monitor beeps, instruct the patient to exhale gently into the mouthpiece.

Exhaling until the **red** indicator line, turns from **red**, **yellow**, and then **green** level (traffic light system) (fig. 12,13,14)



- Press the "**Breath Sample**" button immediately after the breath sample reaches the **green** level to lock in the sample. (fig. 14,15)

- The monitor will display real time and peak values of the patient's breath methane (**CH₄**), hydrogen (**H₂**), and oxygen (**O₂**) values.

The values listed in the largest font with a **c**, are the results.

CH₄c, **H₂c** (fig. 16) (pink arrows)

- Retrieve and enter these results for this patient automatically by using the **Gastro-CHART** software to automatically importing them into the database using the included USB cable connected to a personal computer. **Or manually** enter the results into the supplied **logs** for later entry into the GastroCHART software.



fig. 12



fig. 13



fig. 14



fig. 15



fig. 16





Quick Start Guide

Direct mode

13. After noting the results. **Press** the “**Breath Sample**” button, (fig. 17), to return the monitor to the stand by mode, start **sampling** screen is displayed the monitor is in stand by mode.

To perform another test, simply follow steps above starting with step 5.

Note: Place the monitor in stand by mode, (fig. 18), (monitor will display **START SAMPLING**) when not in use. This ensures that the monitor is ready for the next test.

If the monitor will not be used for an extended period of time, completely turn off the monitor (fig. 19)

When ready to begin testing for the day, simple turn the GastroCHECK back on, and a 30 minute warm up will be required.



fig. 17

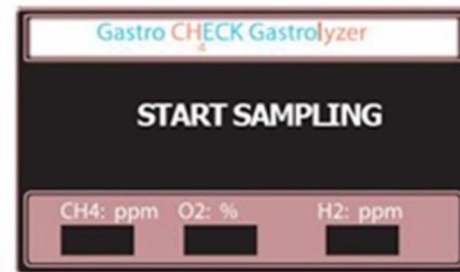


fig. 18

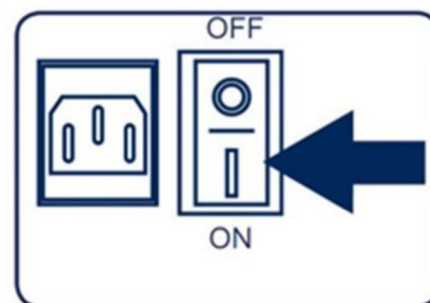


fig. 19