



## BreathTracker H2

### BREATH HYDROGEN ANALYSIS

Hydrogen analysis only; economical solution best suited for facilities that do not require patient sample corrections to true alveolar air, and do not require methane analysis.

When cost is the underlying factor in determining which breath-testing instrumentation to purchase, the BreathTracker H2 is the most economical hydrogen ( $H_2$ ) trace-gas analyzer. The BreathTracker H2 can allow you to begin testing for carbohydrate malabsorptions and small intestinal bacterial overgrowth with minimal investment in instrumentation.

Though limited to hydrogen analysis only, the BreathTracker H2 can be easily upgraded to the BreathTracker DP to include analysis of methane ( $CH_4$ ) and/or the additional carbon dioxide ( $CO_2$ ) sensor for sample contamination detection and correction which can be found on the BreathTracker H2+ and BreathTracker SC instruments, should the need arise for more comprehensive diagnosis results.

The short analytical time of 50 seconds or less and the capability of a quick, accurate calibration provides a specificity and accuracy unequalled by any other hydrogen-only analyzer in any price range.

The highest advantage of the BreathTracker instrumentation over competitor hand-held hydrogen monitors is the use of a solid-state hydrogen sensor which do not require periodic replacement unlike the electrochemical fuel-like sensors found in hand-held hydrogen monitors.

The BreathTracker system utilizes a sample loop and internal pump ensuring every sample is processed in the same fashion as each previous sample, unlike the electrochemical sensors which can be pressure sensitive, meaning the harder or softer the patient blows, the hydrogen values will differ.

The BreathTracker system flushes out any previous patient sample to eliminate any cross-interference and returns the instrument to the same internal baseline, unlike the electrochemical instruments which can leave residual hydrogen on the membrane and do not ensure that each sample is analyzed at the same baseline.

#### **Specifications:**

Resolution: 1 ppm  $H_2$

Accuracy:  $\pm$  2-3 ppm or 5% of full scale for  $H_2$

Linear Range: 2-150 ppm  $H_2$

#### Catalog Numbers:

QT05006-M - BreathTracker Digital H2, 120V/60Hz

QT05007-M - BreathTracker Digital H2, 230-240V/50Hz