

# FlowTrax<sup>®</sup> Technical Specifications

## Pressure Performance

**Range:** Manual: -12.5 to +75 PSI, Electronic Occlusion (IV pump Testing): 0 - 40 PSI

**Accuracy:** 0.5% of reading +/- 1 LSD

**Resolution:** .01 PSI

**Units of Measure:** mmHg, PSI (G), inH2O, cmH2O, kPa, atm, inHg, BAR (A), BAR (G)

## Flow and Volume Performance

**Range:** 0.5 to 999 ml/hr

**Accuracy\*:** 1% of reading  $\pm$  1 LSD for 1ml/hr to 999ml/hr, 2%  $\pm$  1 LSD below 1ml/hr. 0.85% of reading for 500ml/hr, 12ml Volume under steady flow conditions. Requirement for Accuracy:

| Flow Rate        | Required Volume/Time  |
|------------------|---|
| .5 to 10ml/hr    | 0.5ml   |
| 10.1 to 199ml/hr | 3 minutes (see “Flow Rate and Volume Accuracy - Time vs. Volume” Section in Op. Manual) |
| 200 to 999ml/hr  | 10ml  |

## Precision

**Volume:**  $\leq$  0.01ml

Precision of FlowTrax is equivalent to 0.01 g based on the conversion of volume (ml) to weight (g) by calculation using standard temperature and density value of water. Precision was established using a rate of 500ml/hr and a “dispensed” volume of 10ml.

## Temperature Performance

**Range:** -28.9 to +115.5°C

**Accuracy:** 0.1% +/- 0.2 °C

**Resolution:** 0.1 °C

## Digital Timer / Stopwatch

**Range:** 0 to 12 Hours

**Accuracy:** 0.5%

## General

**Power:** Powered by two AA (Alkaline or Lithium) cells or 6 VDC Input

**Battery:** Alkaline: min. 4 hours (3 hrs. with Bluetooth), Lithium: min. 12 hours (11 hrs. with Bluetooth)

**Size (HxWxD):** 5.5 in (13.97 cm) x 3.25 in (8.26 cm) x 2 in (5.08 cm)

## Environmental:

**Operating:** Temperature: 10°C to 35°C (50°F to 95°F), Relative Humidity: 10 to 80% non-condensing,

**Altitude:** 3,000m (9,843ft)

**Storage:** -20°C to +60°C (-4°F to +140°F) with water drained and brought to operating temp before use.

\*Requirements for Flow Rate and Volume accuracy specification: Distilled water as test solution, output bottle height of 0 to 18” (45.7 cm) above FT output, FT horizontal for rates below 21ml/hr, vertical for rates at or above 21ml/hr.



## FlowTrax FT-2 Infusion Pump Analyzer Features:

### Unbeatable Value

- The fastest, most accurate infusion pump analyzer on the market
- NEW Quick Prime — faster priming with no stopping to re-prime between tests!
- First Multifunction IV Pump Analyzer: eliminate expense and calibration of four pieces of test equipment with one device
- Field Serviceable: the only analyzer with removable sample tube and input luer for easy maintenance.
- All features are NIST traceable.
- Ultra-durable: passes drop testing 50X from 3 ft!
- Operates on two 'AA' batteries
- 4-year warranty

### UNSURPASSED Rate and Volume Accuracy

- Results within 1% accuracy for rates from 1 ml/hr to 999 ml/hr in less than 3 minutes
- NEW Electronic Occlusion feature
- Test any type of infusion device from PCA, syringe, volumetric to feeding pumps
- Unrivaled speed — requires as little as 0.5 ml volume for low rate tests to achieve 1% accuracy — up to 40X faster than other products
- Never miss a test result with Trend feature
- Capture real-time results to any File, Form or Record on your PC with DataSnap
- Market-best measurement resolution of 0.0008 milliliters

### Full-Featured Pressure and Vacuum Meter

- 0.5% Accuracy of Reading
- Utilize as standalone pressure meter. Test any type of medical device for pressure or vacuum (-12.5 to +75 PSI).
- NEW Electronic Occlusion Feature (0-40 PSI) with graphical chart and total elapsed time of test
- Measure real time and peak pressure
- 9 units of measure: mmHg, PSI (gauge), inH<sub>2</sub>O, cmH<sub>2</sub>O, kPa, atm, inHg, BAR (absolute and gauge)

### Temperature Meter

- 0.1% ± 0.2 °C Accuracy
- Compatible with any YSI 400 temperature probe
- Measure fluid, gas or air temperatures (-28.9 to +115.5 °C)
- Test incubators, fluid warmers, freezers and more

### Digital Timer / Stop watch

- Integrated digital timer and stop watch
- Automatically starts and stops with fluid measurements.