

THERMAL MASS FLOWMETER



On-line measurement of exhaled NO requires exhalation at a constant flow rate. The TSI thermal mass flowmeter permits direct measurement of the exhalation flowrate using the NOA 280i or the NOA 280 equipped with the flowmeter upgrade kit (Part HASH AML 01487-01). The flowmeter is installed on the On-Line NO Breath kit and the signal processed by the NOA. Calibration is performed using standard calibration syringes (1-3 L) and the NOAnalysis 3.21 REB program. The flowmeter has a fast response time (4 msec) and low pressure drop. The 25.4 mm OD ISO-taper outlet fits over the Amlurate NO breath kit mouthpiece and a 22 mm OD ISO-tapered inlet fits the NOA bacterial and viral filters. The polycarbonate body is compatible with standard cold sterilization agents. The flowmeter employs two sensors; a platinum film sensor is heated and maintained at a constant temperature to measure flow and a temperature sensor is used to compensate for changes in gas temperature. Specifications

Flow Measurement: Range — 0 - 1.5 L/s BTPS

Amluracy — 3.5% of reading at BTPS

Weight: 180 grams

Dimensions: 182 mm x 64 mm x 53 mm

Operating Temp: 0 to 50 °C

Part Number: CAML 01420