MASTERSCREEN™ QUICK GUIDE

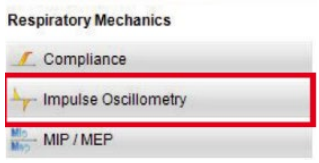
JAEGER

Impulse Oscillometry (IOS) Workflow Quick Guide

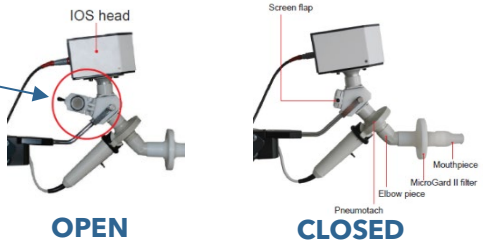
MasterScreen™ IOS

1. Perform Volume Calibration of pneumotach prior to testing

2. Select the "**Impulse Oscillometry**" measurement program



Note the position of the screen flap: **OPEN** for Volume Calibration and Spirometry, however, the screen flap should be **CLOSED** during IOS testing



3. Click **<F1> "Start"** to begin the measurement

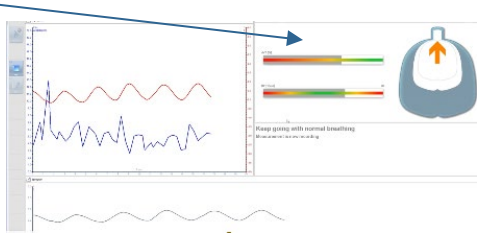


(A zero adjustment of the sensors is automatically performed.)

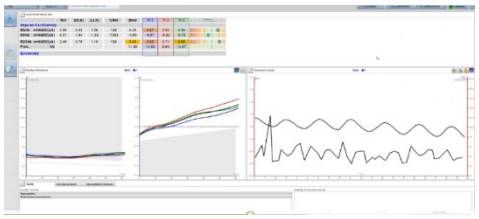
4. Connect the patient to the breathing circuit and MicroGard™ filter (use of nose clip is mandatory).
   The patient should hold **hands against their cheeks and breathe normally**.



5. Perform the IOS measurement:
   - After 2 breaths, the measurement starts automatically.
   - The patient should **breathe normally** during the measurement approximately 20 seconds.
     If the two graphic bars are within the green range, the measurement is being performed correctly.
     - dVT [%] green = stable tidal volume
     - BF [1/min] green = proper breathing frequency
   - Measurement stops automatically. Recording can be stopped manually with **<F3> "Stop"**.



6. To assess **repeatability**, repeat steps 3 – 5 (minimum three trials*).



***Repeatability & Reporting**

To achieve good quality:

- Perform at least 3 reproducible measurements.
- Maximum variation of Z5 (MVZ5% - total respiratory impedance at 5 Hz) should be <15%.
  If MVZ5% > 15% and 3 or more trials completed, SentrySuite™ will automatically disable trial with the highest difference from the mean valueof Z5.

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