

Transform your Portable Spirometer into a complete and reliable Respiratory Mechanics Laboratory



- ▶ Measurement of respiratory muscle strength
- ▶ For healthy subjects or patients with pulmonary/neuromuscular diseases
- ▶ Easy to perform, quick, non-invasive
- ▶ Special mouth pressuremeter
- ▶ PC software for data editing and management
- ▶ Complies with ATS/ERS Guidelines



Application

- ▶ Pulmonology
- ▶ ICU
- ▶ Pre-Operative
- ▶ Primary Care

Related Products

- ▶ Pony FX1

The MIP/MEP option allows, for the first time on a portable spirometer, the measurement of respiratory mechanics parameters such as Maximum Inspiratory Pressure (MIP) and Maximum Expiratory Pressure (MEP).

Determination of MIP/MEP is important as it helps to assess ventilatory capacity and the possible development of respiratory insufficiency. It can be used to assess ventilatory failure, restrictive lung diseases, and respiratory muscle strength.

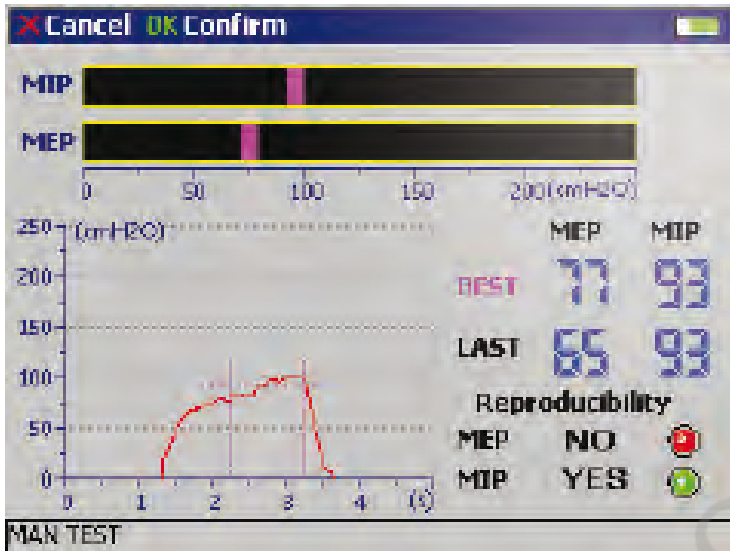
The MIP/MEP is also helpful in evaluating the success of weaning patients from mechanical ventilators, and in predicting the outcome of cardiac transplantation surgery in patients with chronic congestive heart failure.

The MIP/MEP option for the Pony FX is an affordable solution to determine indexes of respiratory muscle strength using a flanged mouthpiece connected to the Pony FX spirometer.

The test is quick and non-invasive, requiring a some compliance by the patient. The subject is instructed to begin by breathing normally with the nose clip in place, perform a maximal expiration/inspiration, then inhale/exhale maximally against the MIP/MEP pressure sensor. In case of an expiratory maneuver, the subject is required to also use a rubber mouthpiece.

The mouth pressures recorded during these repeated maneuvers are assumed to reflect respiratory muscle strength and can be followed in real-time directly on the Pony FX LCD screen. The screen also shows whether the current maximal maneuver (inspiratory or expiratory) can be considered reproducible (Yes/green light) or not (No/red light).

¹ Available as a FACTORY RETROFIT option. Also for Pony FX models starting from S/N 2010117900



The Pony FX LCD screen displays in real-time mouth pressure values and best/last measurement values, plus reproducibility of current maneuver



The MIP/MEP pressure line is easy to set up and to use. It is recommended for use with an antibacterial filter (for expiration maneuver) and rubber mouthpiece

Technical Specifications

Measured Parameters

<i>Pmouth</i>	Pressure at Mouth
<i>MIP</i>	Maximum Inspiratory Pressure
<i>MEP</i>	Maximum Expiratory Pressure

Pressure Sensor

<i>Range</i>	±255 cm H ₂ O (±25 kPa)
<i>Accuracy</i>	±3%
<i>Resolution</i>	±0.0622 cmH ₂ O

Standard Packaging Includes

MIP/MEP pressure line spirometer, pressure transducer board (internal), rubber mouthpiece (2 ea - for expiratory maneuver only)



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