

# Vmax<sup>®</sup>

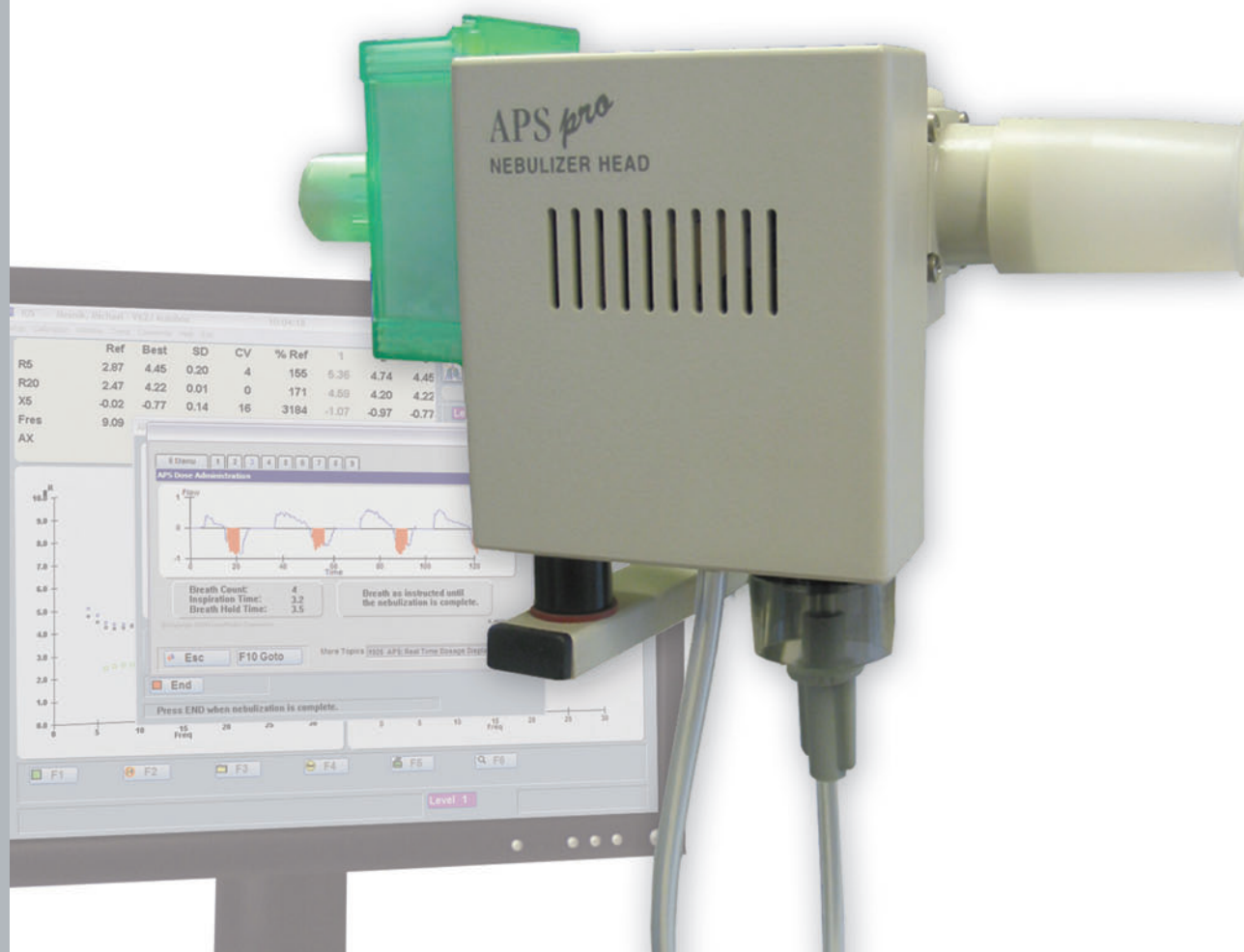
## APS Pro

### Vmax Encore Aerosol Provocation System

VIASYS has developed the APS Pro for both the Jaeger and SensorMedics<sup>®</sup> product lines. The APS Pro provides an integrated Provocation System.

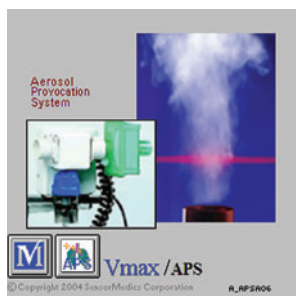
The integrated design allows bronchial provocation protocols to use a single concentration of the challenge substance, making bronchial provocation testing cost effective, easier to perform and increases workflow efficiency.

- High drug efficiency with optimal accuracy
- Multi-step protocol with a single concentration
- Asthma Control
- Computerized control of nebulization
- Flexible Protocol Controller
- Phase-controlled inhalation, pulse or continuous nebulization
- Inspired air filtration – To protect the technician and the environment

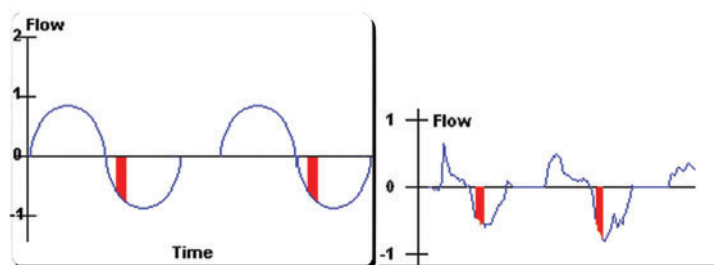


### Features:

- Real-time visualization of dose administration and breathing patterns.
- Select from commonly used pre-set protocols or "Create Your Own".
- APS Pro assists the entire provocation workflow and timing intervals between the various doses.
- The Side-Stream Nebulizer has fast delivery and high deposition.
- Measurement Programs Include: Flow/Volume Loops & NO FVC Mode, Body Plethysmography, and IOS {Airway Resistance by Impulse Oscillometry}.



High Output Nebulizer



Real-time visualization of dose administration

### NO FVC Mode

- Capture FEV<sub>1</sub> without a full expiration using the new NO FVC mode.
- Avoid additional bronchial constriction effects due to maximum expirations.
- Less demanding for the patient.

### End of Test Criteria

- User defined.
- The APS Pro supports both PD and PC related calculations.
- The PD or PC end of test criteria can be set based on FEV<sub>1</sub>, R5, Raw, or SRaw.
- Automatic calculations.

Researchers have demonstrated that the new, single-concentration dosimeter method provides values comparable to the already accepted Gold Standard.<sup>1</sup>

<sup>1</sup>R. Köbrich, N.J. van Duijn, R. Lauschner, P.J. Sterk  
Jaeger Toennies GmbH, Höchberg, Germany; Lindopharm GmbH, Hilden, Germany; Dept. Pulmonology, Leiden University Medical Center, Leiden, The Netherlands

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