Penlon Supaera 50, Supaera 50 Pro and Supaera 50 P Anaesthesia Delivery System

SUPERIOR INNOVATION, CONTROL AND CARE

A UK COMPANY

- Advanced breathing modes and lung recruitment
- Low flow capability with EcoAssist
- HL-7 Connectivity and CyberSecure
- Optional CO_2 or Full Gas Analysis including Paramagnetic O_2
- Optional Integrated BIS/NMT Monitoring

Penlon

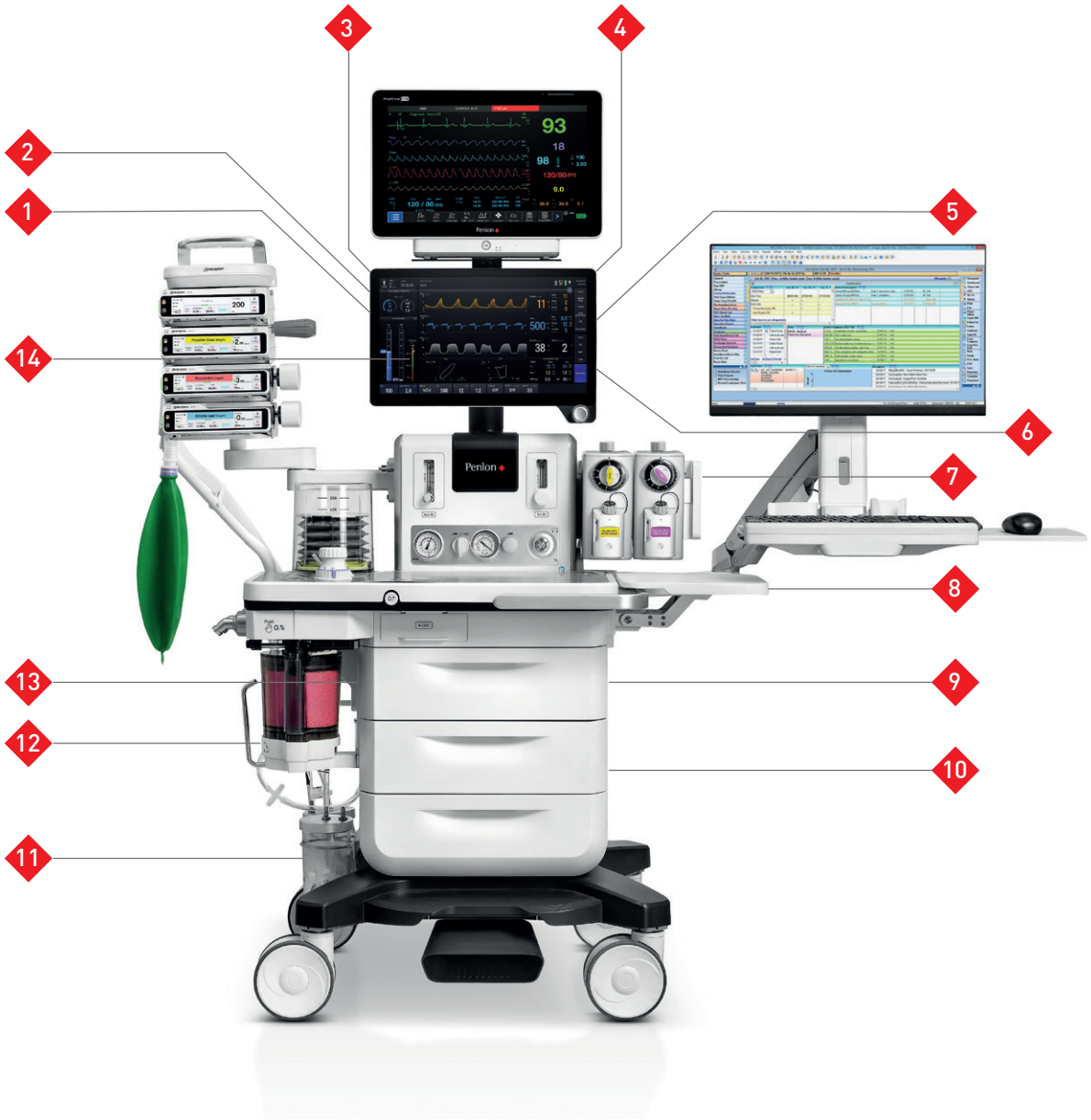
A Medcaptain Company

Today's operating room needs an anaesthesia delivery system that is advanced, intuitive and easy-to-use.

The Supaera 50 is Penlon's next-generation anaesthesia delivery system. The Supaera 50 offers the ideal solution for your clinical needs. The compact, flexible design helps you deliver consistent, reliable anaesthesia even in the most challenging situations.

The cost-effective Supaera 50 is easy to use and maintain, providing the technology you expect from a modern anaesthetic machine in a versatile, efficient system. With modern technology and the high standards you expect from Penlon, the Supaera 50 delivers superior innovation, control and care.

Penlon Supaera 50 and Supaera 50 Pro Anaesthesia Delivery System



All the features and options you need to configure a system to your exact requirements

1. 18.5" TFT touchscreen display with intuitive user interface, electronic gas mixer and digital flowmeters
2. Up to eleven ventilation modes
3. Cardiac Bypass Mode and Single Step and Multi-Step Lung Recruitment
4. Optional CO_2, or Full Gas Analysis including Paramagnetic O_2
5. Flow Pause function
6. Automatic Start-Up, Circuit and Manual Leak Test
7. GCX compatible uprights as standard and optional GCX patient monitor mount
8. Illuminated work space with optional auxiliary work surface
9. Up to three cylinders
10. Large capacity drawer units with one lockable
11. Built-in vacuum or venturi suction
13. Integrated low volume heated absorber
13. Built-in high, low flow or passive AGSS receiver
14. EcoAssist for efficient flow control

The Supaera 50 is Penlon's next generation anaesthesia delivery system providing superior innovation, control and care

Clinician-focused choices and benefits, including 18.5" TFT touchscreen with intuitive contemporary user interface, electronic gas mixer and integrated anaesthetic gas monitoring with agent consumption

Extensive Patient Monitoring

Integrated anaesthetic gas monitoring with agent consumption and paramagnetic oxygen provides detailed information about the gas consumption of the patient. Integrated BIS and NMT monitoring keep clinicians apprised of the patient's depth of anaesthesia.

Compact Breathing System

The compact breathing system features as standard an ascending bellows, reusable spirometry sensors and galvanic O_2 sensor providing straightforward, safe anaesthesia for all patient types, even at low-flows.

1 **Advanced Ventilator Modes**
Eleven ventilation modes (VCV, PCV, SIMV-VC, SIMV-PC, PSV, SMV, PRVC, SIMV-PRVC, CPAP, APRV, and Manual) with PEEP in all modes.

2 **Integrated BIS/ NMT Monitoring**
Continuous assessment of depth of anaesthesia and muscle relaxation using integrated BiSpectral (BIS) and Neuromuscular Transmission (NMT) monitoring.

3 **EcoAssist Low-flow Software**
Predicts how much oxygen is needed in the patient's fresh gas flow to minimise the risk of a hypoxic mixture, and optimise flow economy.

4 **Switchable Common Gas Outlet**
The illuminated switch and front outlet provide a visual indication of an open breathing circuit. A dedicated message is automatically displayed on screen when the port is in use.

1

2

3

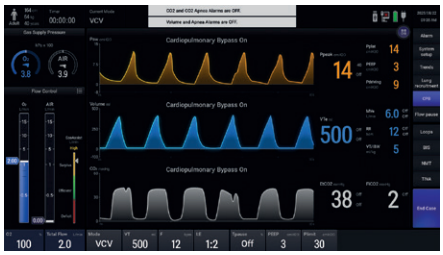
4

Lung Recruitment

The advanced lung recruitment tool provides a multi-step or a single-step sustained inflation manoeuvre advise on the ideal level of PEEP for maximum gas exchange.

Cardiac Bypass Mode

During procedures requiring a patient to be on a heart-lung bypass machine, Cardiac Bypass Mode disables selected alarms for the duration of the procedure.



System Tests

Automatic Start-Up, Circuit and Manual Leak tests provide a quick and easy pre-use check before the start of the list. Individual steps and images are shown on screen to guide you through the process.

Flow Pause

A straightforward single button temporarily stops ventilation and gas flows, suspending alarms and agent delivery for up to 60 seconds, allowing you to respond to the patient's changing needs.

The Supaera 50 is a dependable, flexible anaesthesia delivery system with smart features to help manage your daily workload and deal with unexpected events.

Trend Data

Display trend data for up to three parameters showing each value at a specific point in time over a user-selectable length of time (1–72 hour).

Anaesthesia Delivery System

The Supaera 50 Anaesthesia Delivery System provides superior innovation, control and care for today's perioperative environment

Supaera® 50

The Supaera 50 is Penlon's next-generation anaesthesia delivery system. The compact, flexible design helps you deliver consistent, reliable anaesthesia.

- 18.5" TFT touchscreen display
- Electronic gas mixer and digital flowmeters
- Up to ten ventilation modes
  VCV, PCV, SIMV-VC, SIMV-PC, PSV, SMV[1], PRVC[1], SIMV-PRVC[1,2], CPAP, and Manual
- Optional CO_2 and Anaesthetic Gas monitoring
- Automatic Start-Up, Circuit and Manual Leak Test
- GCX™ compatible aluminium uprights for pumps and additional accessories
- Optional IV pump mounts

Supaera® 50 Pro

The Supaera 50 Pro anaesthesia delivery system offers the same extensive features as the Supaera 50 with additional features available.

- Up to eleven ventilation modes:
  VCV, PCV, SIMV-VC, SIMV-PC, PSV, SMV, PRVC, SIMV-PRVC, CPAP, APRV[3], and Manual
- 18.5" TFT touchscreen display
- Electronic gas mixer and digital flowmeters
- EcoAssist as standard
- Integrated NMT and BIS monitoring
- Additional advanced breathing and support modes, including CPAP, APRV and Lung Recruitment
- Optional IV pump connection
- Optional cMAC support
- Central brake as standard
- Optional pendant mounting kit
- Auxiliary worksurface as standard[3]

Supaera® 50 P

The Supaera 50P is a compact, pendant-mounted anaesthetic machine, and is ideal for operating rooms where space is at a premium.

- Up to eleven ventilation modes:
  VCV, PCV, SIMV-VC, SIMV-PC, PSV, SMV, PRVC, SIMV-PRVC, CPAP, APRV[3], and Manual
- 18.5" TFT touchscreen display
- Electronic gas mixer and digital flowmeters
- EcoAssist
- Integrated NMT and BIS monitoring
- Additional advanced breathing and support modes, including CPAP, APRV and Lung Recruitment
- No cylinders

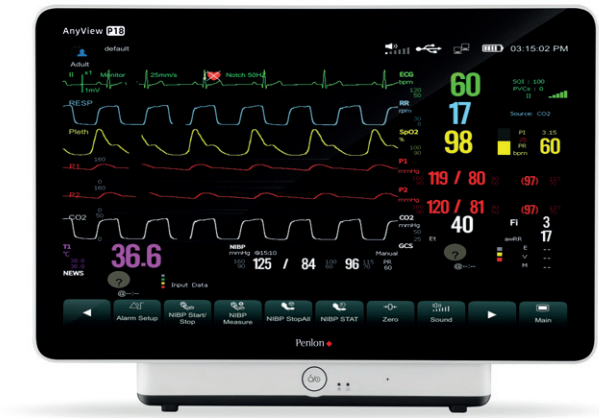
Patient Monitors

High quality patient monitor range to compliment the Supaera 50 Anaesthesia Delivery System provide a total solution during perioperative care

Penlon AnyView P18

The AnyView P18 Patient Monitors provide clarity, simplicity, flexibility and fast processing power for superior monitoring in all clinical areas.

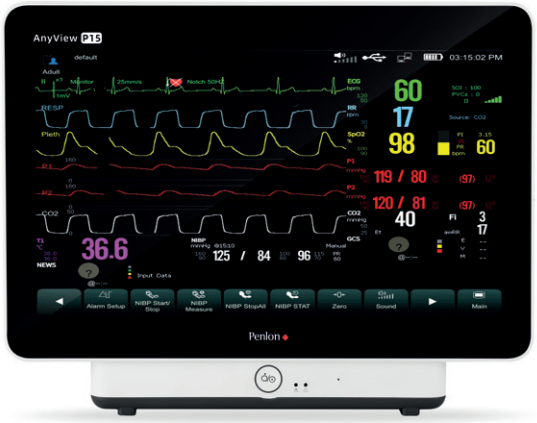
- 18.5" TFT LCD touchscreen colour display
- Multi-parameter, dual-function P1 - Plug-in module/ Transport monitor with 5.5" touchscreen
- Parameters: 3/5/12 lead ECG, RESP, SpO2, PR, NIBP, 2-TEMP, 2-IBP, ICG, EtCO2, Anaesthetic Gas, Cardiac Output, EEG, BIS, RM, Nerve Stimulator, Regional Oximetry and Biolink
- Up to 1800-hour trend data storage
- Networkable as standard, with wireless LAN option
- Optional drip monitor
- Quiet, fan-less cooling system



Penlon AnyView P15

The AnyView P15 Patient Monitors provide clarity, simplicity, flexibility and fast processing power for superior monitoring in all clinical areas.

- 15" TFT LCD touchscreen colour display
- Multi-parameter, dual-function P1 - Plug-in module/ Transport monitor with 5.5" touchscreen
- Parameters: 3/5/12 lead ECG, RESP, SpO2, PR, NIBP, 2-TEMP, 2-IBP, ICG, EtCO2, Anaesthetic Gas, Cardiac Output, EEG, BIS, RM, Nerve Stimulator, Regional Oximetry and Biolink
- Up to 1800-hour trend data storage
- Networkable as standard, with wireless LAN option
- Quiet, fan-less cooling system



Penlon AnyView S12

The AnyView S12 Patient Monitor provides clarity, simplicity, flexibility and fast processing power for superior monitoring in all clinical areas

Contemporary design and extensive range of parameters provide flexibility for a wide variety of clinical situations, including the operating theatre and recovery.

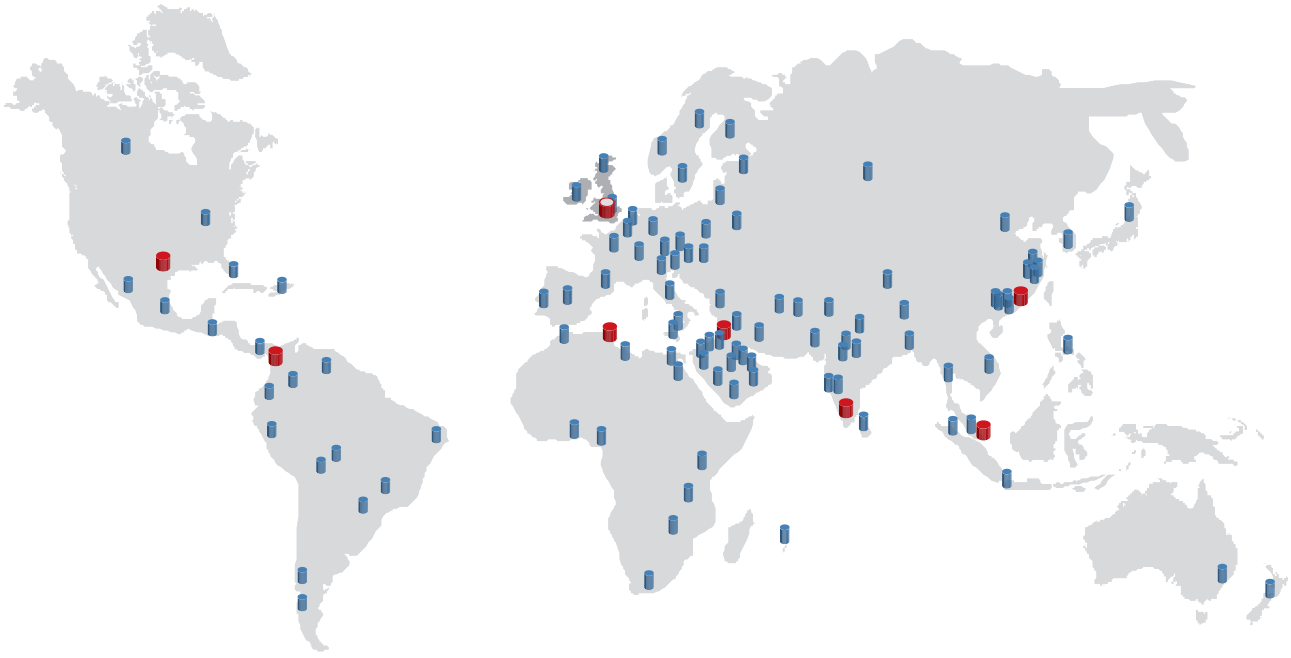
- Compact preconfigured patient monitor
- 12" colour touchscreen
- User-defined multi-parameter display
- Suitable for adult, paediatrics and neonates
- Networkable as standard
- CE marked

About Penlon

Penlon was founded in 1943 by personnel from the Department of Anaesthesia at Oxford University. One of the first products was the Macintosh Laryngoscope, then a revolutionary design, and still the most widely used today, invented by the late Sir Robert Macintosh, Professor of Anaesthetics.

Today Penlon continues to design, engineer and build high quality anaesthesia products at its UK operations headquarters. The company is proud to have over 80 years' dedicated experience, many awards for product design, and an impressive four Queen's Awards for Enterprise, one for 'Innovation' and three for 'International Trade'.

Penlon devices feature intuitive user interfaces that require minimal operator training, putting clinicians in control, enabling them to focus on what is most important – patient safety and wellbeing.



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Penlon Limited
Abingdon Science Park
Barton Lane, Abingdon
OX14 3NB, UK

General
t +44 (0) 1235 547000
w www.penlon.com

International Sales
t +44 (0) 1235 547001
e international.sales@penlon.com

UK Sales
t +44 (0) 1235 547036
e uk.sales@penlon.com

Technical Support
t +44 (0) 1235 547060
e tech.support@penlon.com

Penlon
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