Penlon Prima 465 Anaesthetic Machine

ANAESTHESIA SOLUTIONS

- Electronic gas mixer with electronic anti-hypoxic device and digital flowmeters
- Improved 12.1" touchscreen user interface
- Eight ventilation modes
- Suitable for adult, paediatric and neonates
- Multiple anaesthetic gas monitoring options

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Turnkey Supplier

NOW WITH ANAESTHETIC
Agent Consumption

Penlon

Penlon Prima 465 Anaesthetic Machine

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

1. 12.1" TFT touchscreen display with intuitive user interface, electronic gas mixer and digital flowmeters
2. Eight ventilation modes
3. Versatile top shelf with secure GCX™ mounting system for patient monitors
4. Electrical outlet options
5. Selectatec® compatible backbar (two station)
6. Up to three cylinders
7. Illuminated work space with pull-out writing surface
8. GCX™ compatible aluminium uprights for additional accessory mounting
9. Large capacity drawer units
10. Integrated CO_2 absorber and bellows unit with ventilator interface
11. Backlit Auxiliary Common Gas Outlet (ACGO)
12. Oxygen therapy flowmeter

The Penlon Prima 465 is the latest high-end anaesthetic machine from Penlon, providing the ideal solution for today's busy operating room

Clinician-focused choices and benefits, including intuitive 12.1" TFT touchscreen with electronic gas mixer, digital flowmeters and optional anaesthetic gas monitoring

Flow Control and Visualisation
12.1" touchscreen display provides electronic gas mixer with selectable gas combinations, adjustable O_2 concentration and control of fresh gas flow rate.

Enhanced Patient Safety
Accurate electronic anti-hypoxic device and a backup O_2 gas delivery system.

Waveforms and Respiratory Loops
Choice of up to 10 waveform and respiratory loop displays.

Dual Flow Sensors
Inspiratory and expiratory volume measured and displayed on the screen.

Patient Profiles
Suitable for adult, paediatric and neonatal patient profiles.

Monitoring
Anaesthetic gas monitoring option with EtO_2 automatic anaesthetic agent identification, agent consumption, and Masimo® SpO_2.

Alarms
Audible and visual alarms with colour coding to highlight importance.

Electrical Power
Wide choice of territory-specific electrical power outlets, and a forward facing socket.

Battery BackUp
Provides power to the machine for up to 1.5 hours, in the event of an AC mains power failure.

Gas Supply Options
Up to three cylinder yokes and three central pipeline connections for O_2, N_2O and Medical Air.

Auxiliary Common Gas Outlet (ACGO)
Illuminated switch and front outlet provide visual indication of open breathing circuit.

Active AGSS
Disposes of waste gas and prevents possible health hazards to operating room staff.

Maintenance and After-Sales Support
Comprehensive warranty provides peace of mind and after-sales support. Additional services and warranties can be purchased to meet your particular needs.

Standards Compliant
Fully compliant to ISO 80601-2-13 and the Restrictions of Hazardous Substances (RoHS) Directive.

1 Ventilation Modes
Eight ventilation modes are available (VCV, PCV, PRVC, SPONT/PSV, SIMV-V, SIMV-P, SIMV-PRVC, and Manual) with PEEP available in all modes except Manual.

2 CO_2 Absorber
A high performance absorber with a ventilator interface as standard that provides ventilator mode switching, triggered by the bag/ventilator control. The unit has a built-in heating system and the main components are autoclavable.

3 Anaesthesia Vaporizers
The award winning Sigma Delta and the new Sigma EVA desflurane vaporizers offer multiple agent and filler system options to suit all clinical requirements.

4 Penlon Patient Monitors
Simple intuitive user interface enables clinical staff to concentrate on improved patient outcomes with accurate physiological data, and to respond immediately to any change in condition.

1

2

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Ventilation Modes

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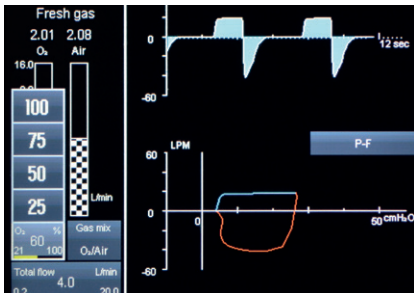
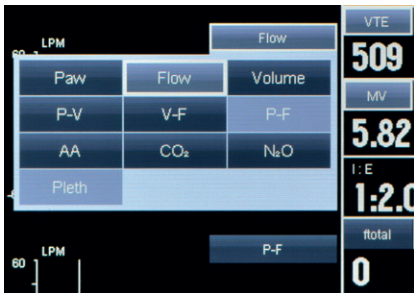
Fresh Gas Control

Fresh gas flow can be selected using the preset defaults or set manually by using the multifunction control knob. Gas mixture can be adjusted using touchscreen display.



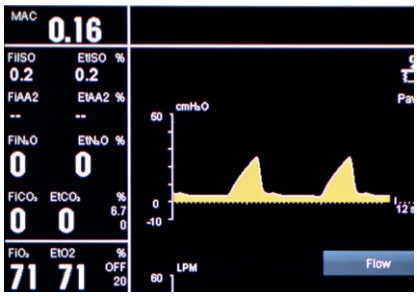
Waveform Display

Two user-selectable waveform displays with a choice of Airway Pressure, Flow Rate, Tidal Volume, P–V Loop, V–F Loop, P–F Loop, Anaesthetic Agent, CO_2, N_2O, or Pleth.



Anaesthetic Gas Monitoring

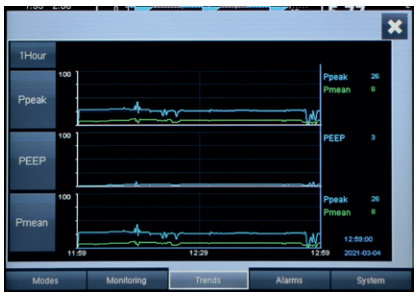
Single or twin anaesthetic agent gas bench options with MAC, Anaesthetic Agent (Fi and ET), N_2O (Fi and Et), O_2 (Fi and Et) display fields, automatic anaesthetic agent identification option and agent consumption.



The Penlon Prima 465 anaesthetic machine provides advanced ventilation modes, accurate control and detailed monitoring capabilities in a single, easy-to-use workstation.

Trends Data

Trend review of parameter values within a specific time period up to 24 hours. User selectable parameter and time scale options.



Features and Benefits

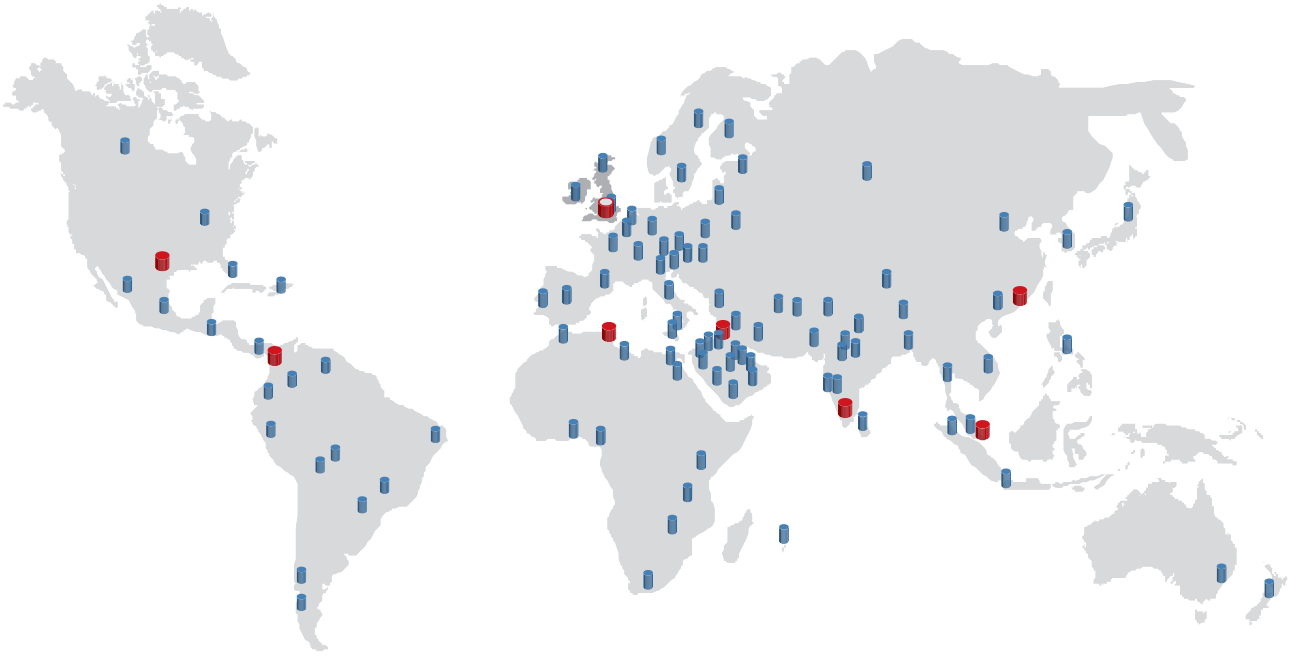
Features	Benefits
Electronic gas mixer and digital flowmeters	Accurate gas delivery
Multi-mode ventilator	Suitable for multiple patient types and clinical cases
Integrated heater and water trap on the CO_2 absorber	Reduces the risk of condensation
Absober CO_2 bypass	Can change absorbent while ventilating a patient
Eight ventilation modes	Comprehensive choice provides optimum patient care
Selectatec back bar	Can be used with any compatible vaporizer
Electronic anti-hypoxic device and backup O_2	Enhanced patient safety
Maintenance and after-sales support	Customer peace of mind
Integrated Sidestream anaesthetic gas monitoring	Ensures safe levels of anaesthetic agent delivery
Masimo® SpO_2 monitoring	Reliable monitoring with high levels of accuracy
HL7 connectivity	Provides Hospital Information Systems (HIS) capability
Air or O_2 drive gas	Ensures continuous use of ventilator
Territory-specific power outlets	Power external devices
AGS (anaesthetic gas scavenging) system	Alleviates contamination in theatre
Patient cable management arm	Reduces cable clutter
Oxygen therapy flowmeter	For recovery and added safety
Side mounted suction controller kit	Keeps airways clear

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 70 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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