

NKV-550

Ventilator System



Treasure Every Breath®

Nihon Kohden's overriding philosophy inherent to the NKV-550 design is to Treasure Every Breath®. Our focus is to provide clinically relevant innovations and solutions for patients requiring mechanical ventilation.

Seamless Care

With the NKV-550, patients can be transitioned seamlessly between invasive and non-invasive ventilation and high flow oxygen therapy, and is designed for use with all patient sizes.

Lung Protection

The NKV-550 is created on the lung protective approach to ventilation and features the Gentle Lung® Suite of applications to provide clinically relevant, easy to use tools for the open-lung approach to ventilation.

Protective Control®

Protective Control® provides the clinician a safe, fully functional second user interface to easily implement needed ventilator setting changes when treating patients with contagious diseases or who are undergoing a radiologic procedure while remaining within sight of the clinician.

Connectivity

The NKV-550 can transfer critical patient ventilation data to the hospital information system for charting and/or data analytics purposes.

Workflow Optimization

The NKV-550 offers highly customizable screen configurations enabling the ventilator to fit into your paradigm rather than require you adapting to it. Our App based design provides guided processes to help create a more streamlined, systematic way for clinicians to optimize care of their ventilated patients.

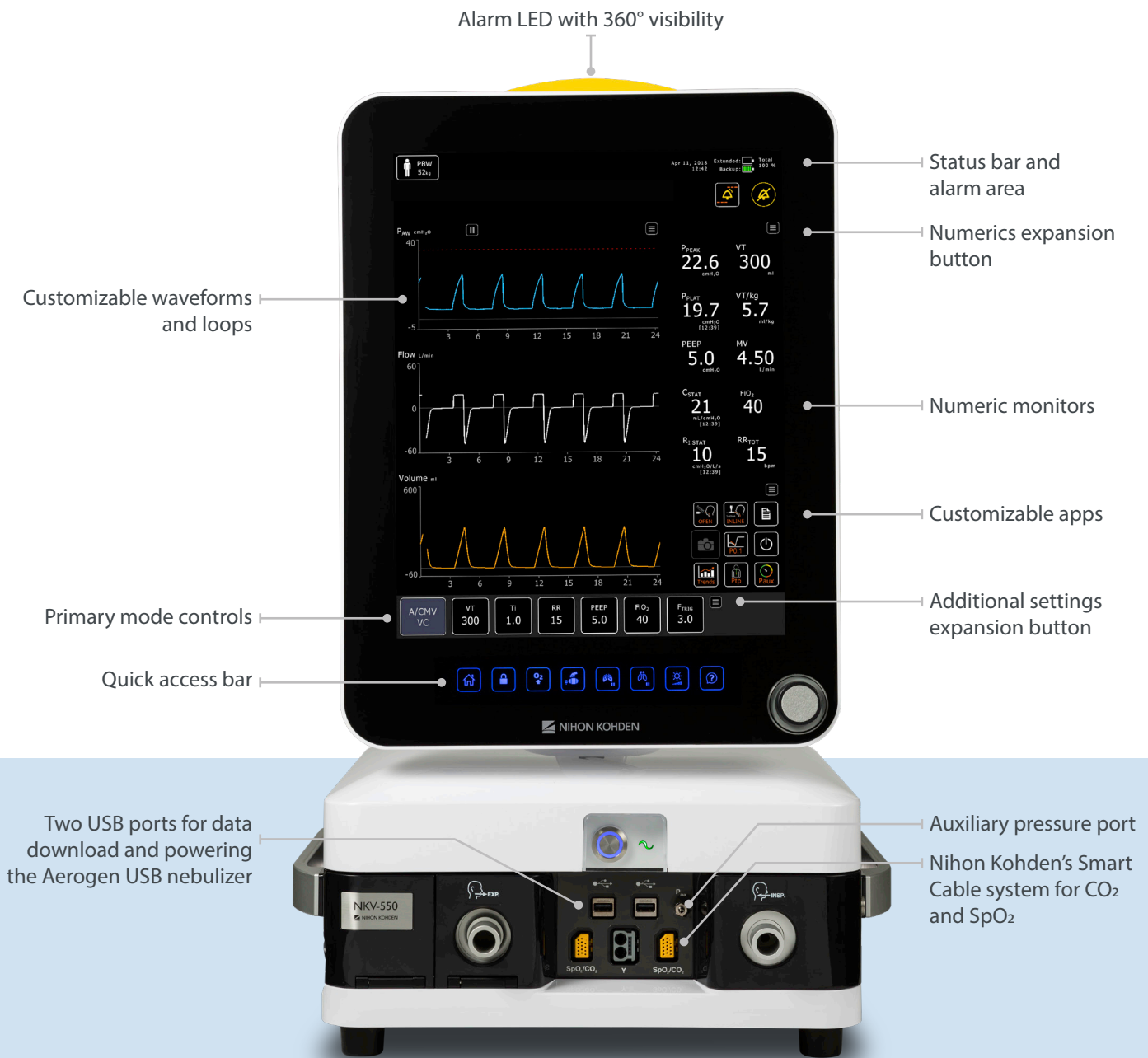
Reduced Cost of Ownership

The NKV-550 requires a simple, low-cost preventative maintenance biannually.

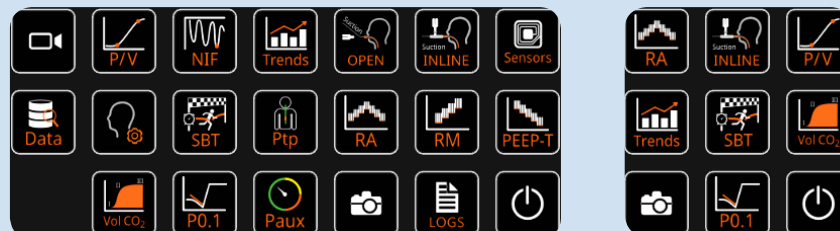




Intuitive Interface



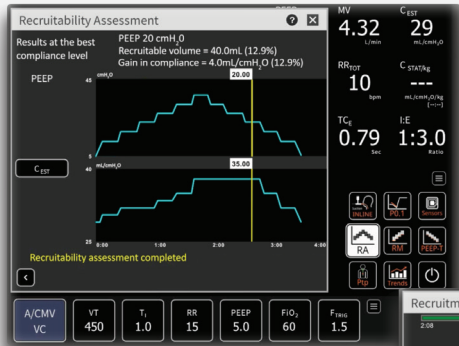
App Based Expandability



The Nihon Kohden NKV-550 interface is unique — It uses an intuitive App-based concept, familiar to anyone who uses a smartphone or tablet. This interface makes it easy to add features or customize the layout to fit into your workflow. Your nine favorite apps are always available, and the remainder are a click away.

Gentle Lung®

Based on decades of clinical research and evidence, the NKV-550 Series Ventilator System provides our Gentle Lung® clinical tools to employ the Open Lung Approach to your mechanically ventilated patients.

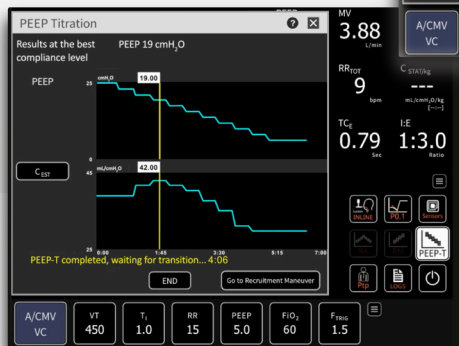


The **Recruitability Assessment App** helps you determine if the patient lungs are recruitable.

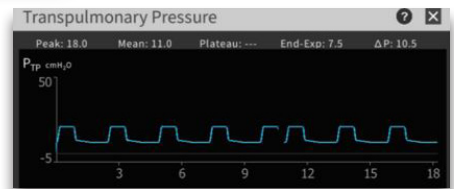
The **Recruitment Maneuver App** may be used to automatically perform a lung recruitment maneuver using the stepwise increase in PEEP technique.



The **PEEP Titration App** will decrease PEEP in a stepwise manner. At the end of the maneuver, the app will indicate the lowest PEEP that provides the highest lung compliance.



The **Transpulmonary Pressure App** monitors the transpulmonary pressure to help individualize a lung protective treatment strategy.



Integrated Monitoring



cap-ONE
CAPNIA, VENTILATION, RESPIRATION

Weighing about 4 g, the cap-ONE sensor is 90% smaller and 80% lighter than older CO₂ sensors. New technology eliminates the need for a heater, reducing the strain on the endotracheal tube.



BluPRO

From the company that invented SpO₂, Nihon Kohden's BluPRO sensors are available in several styles for all patient sizes and features our Smart Cable — plug and play functionality.

Protective Control®



It is estimated that as many as 42 healthcare workers per million employed die annually from infections acquired at work.¹

Protective Control® in the NKV-550 is designed to help protect a clinician from biological and radiologic hazards.

Having a second user interface outside the hazardous environment, allows the clinician to respond quickly to changing patient conditions.

This may allow the clinician more time to carefully put on personal protective equipment, rather than rushing preparation and potentially risking exposure.

Seamless Care: Intra-hospital Transport



Hot swappable battery extends the 120+ minutes battery run-time.*



Wheeled trolley with cylinder holder.

*New and fully charged

¹ Sepkowitz KA and Eisenberg L: Emerging Infectious Diseases Vol. 11, No. 7, July 2005



Seamless Care: Every Patient, Every Breath

The NKV-550 gives clinicians the tools to provide respiratory support for all patient sizes. Patients can be transitioned throughout the continuum of care quickly, between invasive or non-invasive ventilation and high flow oxygen therapy without changing equipment or breathing circuits.

This not only saves the hospital material costs, but also simplifies the workflow of the caregivers and helps reduce the discontinuity of care for patients. Having less medical equipment also reduces the training burden on staff and storage facilities.



Treasure Every Breath[®]

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