

TV80

Ventilator

Unlimited Adaptability, Uninterrupted Care



Efficient Modular Intra-hospital Transport

Embrace the future of medical innovation with our modular integration of multiple medical devices setting a new standard in intra-hospital transport efficiency and patient care.

Multi-device integration-modular and adaptive

The integration the ventilator, monitor, infusion pump, and O₂ cylinders onto one multi-device platform allows more complete range of therapies and ensures that vital information is readily available, allowing for seamless coordination and continuity of care during patient transport.



Ventilator Meets Patient Monitor-Efficient, Uninterrupted

Experience the incredible capabilities of our compact and portable device, which seamlessly combines real-time patient monitoring and life-saving ventilation support. Our innovative fusion integrates the N1 patient monitor as a plug-and-play module with the reliability of a transport ventilator, offering a comprehensive solution for medical professionals on the go. Taking this fusion to the next level, the TV80 transport ventilator automatically synchronizes bedside ventilator settings and uploads patient data. This seamless integration empowers healthcare professionals to stay informed and make prompt, informed decisions, eliminating the need for manual adjustments and reducing the risk of errors.



Transport Preparation

- Plug-and-play: Preparation for ventilator and patient monitor with just one step*
- Automatically synchronizes ventilator settings of bedside ventilator, eliminating manual adjustment*
- Continuity of care: Monitor module monitors the patient uninterrupted without cables reconnection



During Patient Transport

- Integrated transport, all-in-one and lighter burden for clinicians
- Continuously monitors and records vital signs, such as ECG, SpO₂, blood pressure throughout the transport process, can also be sent to CMS wirelessly in real-time



Patient Handover

- Plug-and-play, without monitor cables reconnection
- The data of ventilation and monitor during transport is automatically upload to the bedside patient monitor seamlessly*



* The function of data fusion depends on Mindray Central Monitor System(CMS) and N1 monitor



Putting Care First: Portable, Ease to use, Confident

Thoughtful battery and oxygen management function of TV80 transport ventilator makes the daily usage and maintenance of the transport ventilator more convenient. Design with intuitive of use in mind, the TV80 keeps you informed with real-time battery display at all time with outdoor display mode to clearly see various in environments.

More Independent and Portable

- Built-in turbine, more independent and portable
- Peak flow $\geq 260\text{L}/\text{min}$, more effective NIV support
- Precise FiO_2 adjustment in the range of 21%~100%
- Weighs only 6.5kg



Easy to use and Confident

- Non-consuming O_2 sensor: Long lasting with zero maintenance
- Real-time O_2 consumption monitoring: efficiently mastering the available time of oxygen
- Long-lasting hot-swappable battery: operating time ≥ 11 hours with real-time battery display even when powered off
- Outdoor Mode: Improve viewing under sunlight or bright ambient light with one touch



Adapting to the Most Demanding Environment

TV80 provides a impressive 20G force resistance, providing unparalleled durability and reliability even harsh conditions such as severe cold, scorching heat, heavy rain, plateaus. TV80 can withstand significant shocks and vibration, ensuring it remains in top-notch condition to deliver consistence performance throughout its usage. Whether you're in a demanding industrial environment, over the rugged terrains, or on the air, rest assured that the TV80 will be a reliable assistant for medical professional, ensuring peace of mind and continuity of seamless operation through transport and respiratory support.

It mees various standards for transport vehicles such as helicopters and ambulances, and supports various types of transport.



RTCA/DO-160G
EN 13718-1
EN 1789
ISO 80601-2-84 (EN 794-3)



Exceeding Rigorous Tests



-20~50°C
Working temperature



7600m
Automatic altitude compensation



IP34
Dustproof and waterproof grade



6 sides 75cm
Drop protection



20G
Force resistance

Powerful and Comprehensive Support

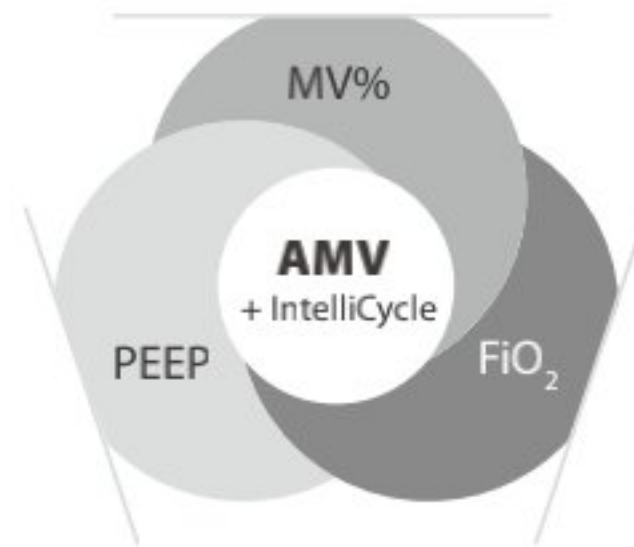
The TV80 transport ventilator combines the portability and durability of the transport ventilator with the power of the intensive care ventilator, aiming to provide the ideal ventilation support for various physiological alteration throughout the patient transport process.

Comprehensive Ventilation Support

- Versatile: Supporting invasive, non-invasive and O₂ therapy ventilation
- Same ventilation mode as the bedside ventilator, realizing continuous ventilation therapy
- Innovative intelligent ventilation and emergency ventilation, making the ventilation easier and more efficient in various clinical scenarios during transport

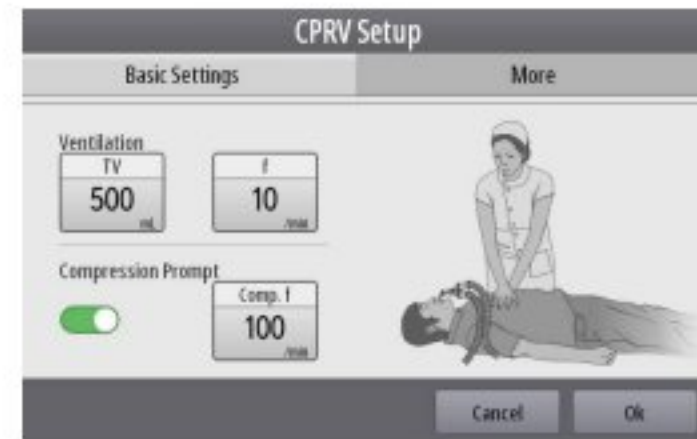
Intelligent Ventilation: AMV™ + IntelliCycle™ Pro

- AMV (Adaptive Minute Ventilation), automatically adjusts ventilation parameters according to patient status
- IntelliCycle synchronization technology, combined with AMV to be more intelligent and easier to use, only need to set 3 parameters



Emergency Ventilation: CPRV™ + CQI™

- Emergency ventilation CPRV mode, one-button quickly access preconfigurable CPR ventilation settings to optimize safer resuscitation process
- The integrated CPR index CQI display can efficiently evaluate the compression and improve the compression quality during rescue*



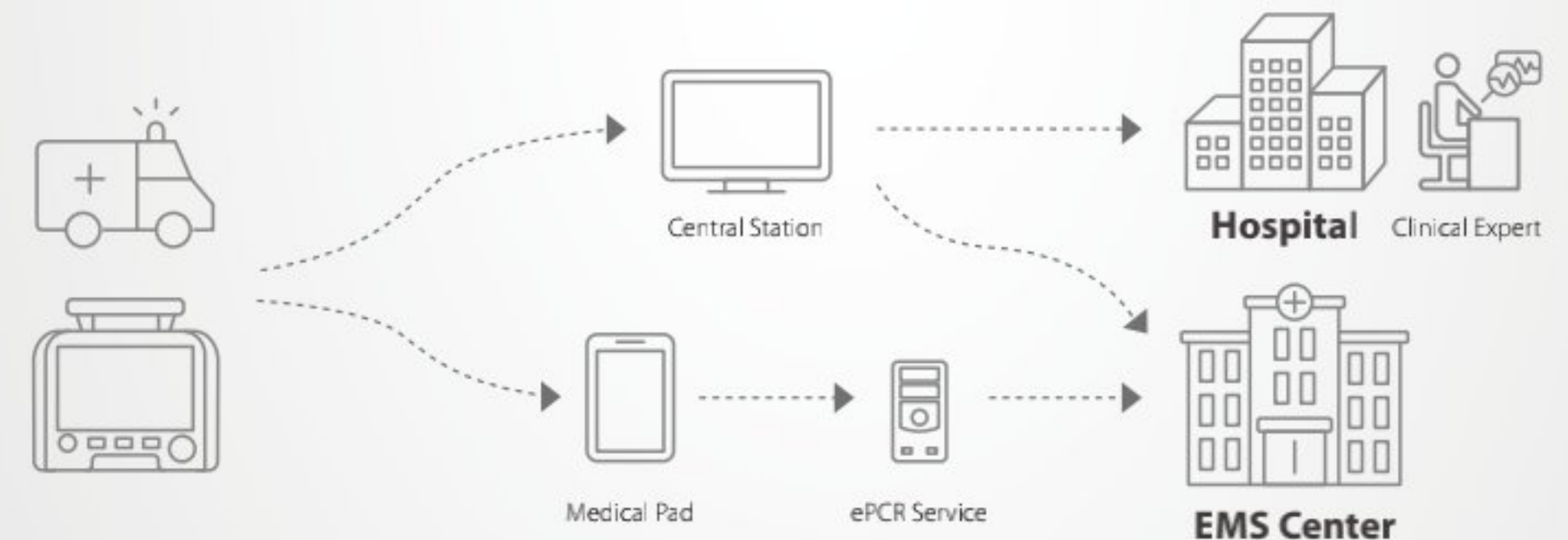
Transporting the most fragile patient

- Dedicated and accurate proximal neonatal flow sensor, providing tidal volume as low as 2ml
- Comprehensive ventilation mode and support to adapt to various therapy and patient needs
- Modularly integrates monitor to save transport space



Seamless Integration with Telemedicine Capabilities

In any first response situation, the time is of the essence. The TV80 transport ventilator can be equipped with 5G, WiFi, or bluetooth capability, allowing for the seamless and real-time transmission of patient ventilation and other vital signs or patient data to the hospital, shortening the response time as well as supporting timely care for patients.



The patient's ventilation and monitor data during transport can be transmitted to the hospital in real-time. The medical staff can remotely monitor the patient's ventilation and vital signs through the hospital's CMS(central monitoring system) or ePCR system to formulate timely treatment plan.



Note: Some functions are optional and must require additional product and licenses, please consult your local sales representative for availability