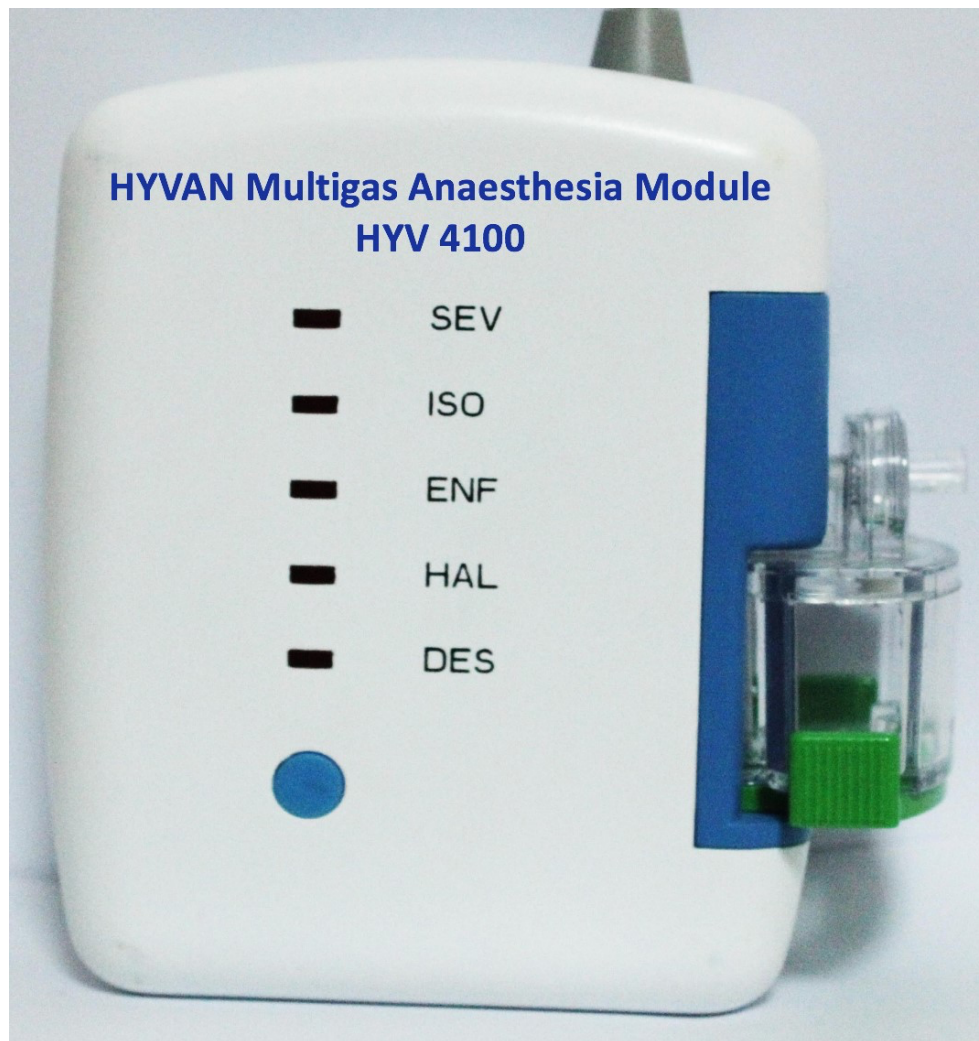


# HYVAN Multigas Anaesthesia Module – HYV 4100



## ***Product introduction:***

The HYV 4100 series multigas analyser is the ideal low sampling-rate anaesthesia solution for your patient monitoring system. It can show an accurate gas concentration with all respiration rates up to 150 breaths per minute. Advanced technology enables HYV 4100 to provide accurate measurement of CO<sub>2</sub>, NO<sub>2</sub>, anaesthetic agents gas, respiration rate, inspiratory time and expiratory time. With a sampling-rate low to 50 mL/min, HYV 4100 is ideal for use on adult, paediatric and infant patients; patients undergoing procedural sedation; and short- term monitoring of intubated patients.

This device clips onto the side of the Hyvan Monitor and the display can be read on the monitor screen

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## ***Product features:***

1. State-of-the-art Non-dispersive infrared (NDIR) technology
2. CO<sub>2</sub> N<sub>2</sub>O and anaesthesia multigas monitoring
3. Sample rate low to 50 mL/min
4. Barometer pressure and temperature compensation
5. Fast warmup time ensures full accuracy within 2 minutes
6. Low power consumption less than 2W
7. Low cost Phillips water trap

## ***Automatic Agent Identification***

## ***Technical Specifications:***

Transducer Type	HYV 4100 series multigas analyser
Sample Rate	50mL/min, ±10mL/min
Principle of Operation	Non-dispersive infrared(NDIR), no moving parts (Excluding pump)
Initialization Time	20 sec, full specifications within 60sec
Calibration	No routine user calibration required
Compensation	Automatic for atmospheric pressure, temperature
Rise Time	CO <sub>2</sub> <200ms, N <sub>2</sub> O, AA<350ms
Respiratory Rate	Range:3-150 BPM Accuracy ±1BPM
Breath Detect	Adaptive threshold, minimum 1% CO <sub>2</sub> change
Agent Threshold	Agent 0.15vol%

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	Gas Type	Range	Accuracy
Measurement Accuracy	CO2	0-10%	±(0.2vol%+2% of reading)
		10-15%	±(0.2vol%+2% of reading)
	N2O	0-100%	±(2vol%+2% of reading)
	ISO	0-6%	±(0.2vol%+2% of reading)
	ENF	0-6%	±(0.2vol%+2% of reading)
	SEV	0-8%	±(0.2vol%+2% of reading)
Interface	RS-232 Operating at 9600bps		
Voltage Requirements	5.0DV±5%		
Power Consumption	Less than 2.0 Watts typical		
Temperature and Humidity	Operating:0-40°C,10-90% RH, non-condensing Storage: -40-70°C,<90%RH, non-condensing		
Size	96*57.5*30mm		
Weight	110g		