



V730i

Smart | Universal | Compressor-based

All ventilation needs in one device



14 modes including Neonatal

NIV including DualPAP & NIV PS; HFOT with bubble CPAP; APRV, Dual modes, vol. support



No proximal sensor

Ventilate patient above 3kg without any special circuit or proximal flow sensor



Modern UI inspired by smartphones

Easy to operate with minimal to no training required; key ventilator interactions are automated



Internet-enabled capabilities

Remote monitoring on any device; wireless Central Nursing Station: zero infrastructural cost

Lowest Cost of Ownership



Advanced modules

Like SpO₂, EtCO₂, vibrating mesh nebulizer & jet nebulizer are standard; only pay for accessories



Patented expiratory cassette

Durable design; all sensors covered under warranty; cost of replacement : 1/7th of competitors



Insp. synced nebulizers

For I:E ratio 1:2 save up to 67% on expensive drugs



Standard consumables

Automatic calibrates with standard patient circuits and filters available in the market



Made in India, for the World

We take immense pride in building Smart Medical Devices and Digital Platform in India that transcend borders and impact lives Worldwide.

Technical Specifications

Parameter Category	Parameter	Specification		
General	Patient Range	Adult, Pediatric & Neonatal		
	Screen	15" Inbuilt LCD Touchscreen with Tilt and Pan		
	Type of Technology	Compressor		
	Device Control	Touch screen and rotary knob		
	Bias Flow	Adaptive (>3 l/ min)		
	Maximum airway pressure	119 cm H2O		
	Trigger Type	Flow and Pressure		
	Inspiratory flow rate	0 to 240 l/ min		
	Leakage compensation	Yes, Upto 200 l/min		
	Automatic circuit resistance & compliance compensation	Yes		
Network & Communication	WiFi	Yes		
	LTE	Optional		
			A/P	N
Ventilation Modes	Assist and CMV	PC	✓	✓
		VC	✓	-
		PRVC	✓	✓
	Advanced	SIMV (PC) + Pressure Support	✓	✓
		SIMV (VC) + Pressure Support	✓	-
		SIMV (PRVC) + Pressure Support	✓	✓
		APRV	✓	-
	Support	Pressure Support / CPAP	✓	✓
		Volume Support – VAPS	✓	-
		Volume Support - PRVC	✓	-
	Non-Invasive Ventilation (Available in all modes)	NIV PS	✓	-
		DualPaP	✓	-
		HFOT with Target Ramp & bubble CPAP	✓	✓
		nCPAP	-	✓
	Apnea Backup Ventilation	Both pressure and volume	✓	✓
	Inverse Ratio Ventilation	Yes	✓	✓

Parameter Category	Parameter	Specification		
Clinical Tools	Inspiratory Hold	Expiratory Hold	Manual Breath	O2 Boost
	Suction Support	NIF (Negative Inspiratory Force)	P0.1 (Occlusion Pressure)	Adaptive Flow
Add-on modules	Jet Nebuliser	Insp. Synced Volume Compensated		
	Vibrating Mesh Nebuliser	Insp. Synced < 3 micron particle size		
	Capnography	Mainstream with Volumetric Capnography		
	Metabolic Monitoring	Yes		
Controlled Parameters	Tidal Volume	Adu/Ped: 15 mL to 4000 mL Neo: 2mL to 50mL		
	Inspiratory Pressure	0 to 120 cmH2O		
	PEEP	0 to 50 cm H2O		
	Pressure Support above PEEP	0 to 120 cmH2O		
	IPAP	0 to 120 cmH2O		
	EPAP	1 to 50 cm H2O		
	Phigh	8 to 120 cmH2O		
	Plow	1 to 18 cmH2O		
	PS abv Phigh	0 to 120 cmH2O		
	PS abv Plow	0 to 120 cmH2O		
	Respiration Rate (RR)	Adu/Ped: 1 to 120 b/min Neo: 1 to 200 b/min		
	Thigh	0.2 to 30s		
	Tlow	0.2 to 30s		
	FiO2	21 to 100 %		
	Apnea	1 to 60s		
	I:E ratio	10:1 to 1:10		
	Ideal body weight	Autocalculated based on height and age		
	Tpause	0 to 70 %		
	Trise	0 – 70% (0 to 6s)		
	Flow trigger	0.1 to 20 l/min		
	Pressure trigger	-20 to 0 cm H2O		

Technical Specifications

Parameter Category	Parameter	Specification					
Controlled Parameters	End Insp (Insp. Termination Criteria)	1 to 80 %					
	Sync Window	10 to 50%					
	Flow Slope	0 to 100 %					
	HFOT Flow Rate	1 - 80 l/min					
	Ti	0.2 – 10 s					
	Max Flow	240 LPM					
	MVe*	Calculated based on controlled parameters					
	SIMV Frequency	2 to 200 b/min					
	Flow Pattern	Adaptive, Square, Decelerating (User Selectable)					
Monitored Parameters	General (BTPS Compensated)	PIP	Pplat	Pmean	PEEP	FiO2 %	RR
		I:E	RRspon	Vte	Vti	Leak	MVe
		Mvi	MVsp	MV _{leak}	Tinsp	Tinsp/ Ttotal	Cdyn
		Cstat	Stress Index	RSBI	Inspired Resistance	Expired Resistance	WOBvent
		Tcexp	Tcinsp	Flow ee	TV: PBW	Texp	TV: BW
Monitored Parameters	Capnometry	FetCO2	PetCO2	PaCO2	CO2 gradient		
	Volumetric Capnography	VtCO2	Vdphy	Vdalv/VTe	Vdanat/VTe		
		Slope CO2	VT alv	MV alv			
	Metabolic Monitoring	MVCO2	Energy Expend	RQ			
	Oxygenation	PaO2/ FiO2	PaO2	PaO2/ PAO2	Oxygen Index		
	Static measurements	Pplat	Total PEEP	Auto PEEP	Cstat		
		E	Trapped Vol	NIF	P0.1		
Physiological Alarms	Airway Pressure	Tidal Volume	Respiratory Rate	PEEP	FiO2		
	Airway Pressure Safety Limit Reached	Expiratory Minute Vol.	Leakage Comp.	Patient Circuit Disc.	Severe Occlusion Detected		
	Flow Rate	EtCO2	Inverse I:E	Apnea			
Technical Alarms	Oxygen Supply failure	Air Supply failure	Running on Battery	Battery Low	Ventilator Inoperative		
	Sensor / Module Error (Multiple)	Humidifier Temp. Probe Error	Proximal Sensor Unavailable	Proximal Sensor Flooded			
	Temporary Alarm Mute	2 minutes					
	ISO compliant Color-Coded Alarms	Yes					

Parameter Category	Parameter	Specification
Display	Views	6 pre-configured selectable views
		Waveforms
		Tile/Loops
		Hybrid
	Waveform	Pres. – Time Flow – Time Vol. – Time EtCO2– Time
Display	Loops	Pressure – Vol. Flow – Vol. Pressure - Flow
	Reference Loop Saving	2 reference loops can be saved
	Autoscale Waveforms	Yes
	Control Panel Lock	Yes
Data Storage & Export	Logs	Technical alarms, physiological alarms, operational logs, trends and patient history
		Event Logs: 10000
	Trends Storage	240 Hrs
	Cloud Data backup	upto 30 days *upgradable to unlimited backup
	Data Export	PDF Trends and report download via HorizonView
Ports	RS-232 Ports	4 x RS-232 Ports (Remote Alarm, Data sharing, expandability)
	Nurse Call	1 x Nurse call port (to be launched)
	USB Ports	2 x USB for data export
	Ethernet	1 x Ethernet (HL7)
	HDMI	1 x HDMI (display port for screen mirroring)
Power Supply	Power Input	220 – 240V AC, 50-60 Hz
	Internal Battery Backup	4 hours
	Provision for Ext. UPS	Yes

The V730i goes beyond these specifications! Secure your investment today and witness the V730i’s evolution through seamless OTA updates.

HorizonView digital ecosystem

Above & beyond the ordinary



Remote Monitoring

Powered by HorizonView, remotely monitor the ventilator on any mobile device from anywhere; simply connect to WiFi



Over-the-air updates

Lifetime free software updates just like smartphone; upgrade to latest features with a single click on device



Request callback

Get instant clinical and technical support directly from company by simply clicking on 'Request Callback' button



PDF reports

Download PDF reports of patient vitals, trends, charting; sharable on WhatsApp, e-mail, etc.



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ISO 13485:2016

CDSCO

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ISO

Tested in accordance with
ISO 80601-2-12:2020



Listed on
Government E - Marketplace

IEC

Tested in accordance with
IEC 60601-1 and IEC 60601-1-2



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Scan to know what V730i will evolve into!

NR-QR-SLS-01-18.6/03-19-03-2025