

# HekaFlo<sup>®</sup>

HM-P-500

High Flow Nasal Oxygen  
Therapy Device

World's first IoT enabled HFNC device  
with remote patient monitoring



RESPIRATORY SUPPORT SYSTEM  
FOR THE TREATMENT OF  
ACUTE HYPOXEMIC  
RESPIRATORY FAILURE  
(COVID -19 PATIENTS)

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#startupindia




Respiratory support system (NIV) for the treatment of hypoxic patients with 100% humidified and heated oxygen at a flow rate of up to **60 liters per minute**.

 **FLOW**  
2-60 L/Min

 **HUMIDIFIER**  
R.H. 100%

 **TEMPERATURE**  
31°C-37°C

 **MONITORING**  
SpO<sub>2</sub>, Pulse Rate

 **O<sub>2</sub> BLENDER**  
21-100%

 **MODE**  
Adult/Junior



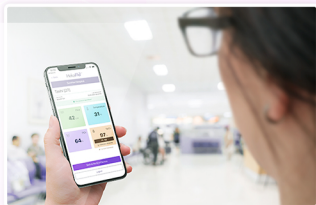
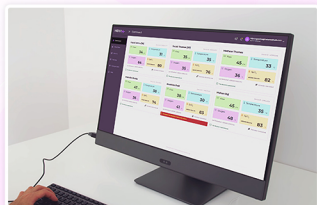
Heka  
HM-P-500



## Remote Patient Monitoring

### HEKAFLO WEB DASHBOARD

HekaFlo's web portal dashboard shows the patient data from multiple devices in a single window as tiles. Patient's Name, Age, current flow rate, temperature, FiO<sub>2</sub>, SpO<sub>2</sub>, pulse rate, Pulse Oximeter connection status will be displayed in the dashboard. Any user defined or system alerts generated from the device will be displayed as well.



### NATIVE IOS/ANDROID APPS

HekaFlo mobile app is designed to view patient's data remotely in real-time. The iOS/Android app can be downloaded from the Apple store/Google play store. Once you log into the mobile app, it will show all the devices registered in your name. Upon selection of the device you can see all the data associated with that device including patient name, age, flow rate, dew point temperature, FiO<sub>2</sub>, SpO<sub>2</sub> and pulse rate. Any alerts generated from the device will be displayed on the mobile app as well.

### CHART VIEW & REPORTS VIEW

The chart view shows the real time view of Flow, FiO<sub>2</sub> and SPO<sub>2</sub> for each patient graphically. Any fluctuation in flow, FiO<sub>2</sub> or SpO<sub>2</sub> is clearly visible in this view.

Reports view shows the aggregated data for each patient over a period. The HekaFlo analytical engine aggregate second by data to minute-by-minute data and shows the matrix in different time intervals. Physicians can graphically view the SpO<sub>2</sub> changes and the parameters influencing that change.

The filtered data from the reports can be exported in CSV or Excel for further analysis and research.



## Clinical uses

- » Hypoxemic respiratory failure
- » Post surgical patients with respiratory distress
- » Weaning off from mechanical ventilatory support
- » Viral bronchiolitis in children
- » Mild to moderate pneumonia
- » Sepsis with respiratory distress
- » Acute pulmonary edema
- » Bronchial asthma

- » Mild exacerbation of COPD with secretions
- » Pulmonary fibrosis
- » Palliative care
- » Weaning via tracheostomy
- » Home oxygen therapy for interstitial lung disease, bronchiectasis
- » Oxygenation during endoscopic procedures
- » Pre-oxygenation for intubation

## What is included in the package

HekaFlo HFNC main unit  
 Heated breathing circuit  
 Nasal cannula (Medium size)  
 Auto feed humidification chamber  
 Adaptor for water chamber  
 Air filter

Oxygen tube  
 Power cord  
 Flow meter (0-70 LPM)  
 Pulse oximeter (Bluetooth)  
 User manual



## Technical specs

### Main Unit

Flow rate range	2-60 LPM
FiO <sub>2</sub> range	21-100%
Oxygen sensor accuracy	± 1.8%FS@(0 - 50) °C
Pressure sensor accuracy	± 1.0 %FS
Temperature & Humidity sensor accuracy	± 0.5 °C
Flow rate accuracy	± 2 LPM
Main supply	230V/50Hz
Weight of the device	2.8 KG

### Humidifier

Dew point temperature	31°C - 37°C
Relative humidity	90% - 100%
<b>Pulse &amp; SPO<sub>2</sub></b>	
SpO <sub>2</sub>	Detection scope: 35%-100% Accuracy: ±2% 80%-100% ±3% 70%-79%
Pulse rate	Range: 25-250BPM Accuracy: ±2bpm Resolution: 1bpm
Pulse oximeter	Bluetooth: 4.0 Battery type: Two 1.5V AAA Service life: Over 10000 times