

# Hot -Frontier, Cutting-Edge

Airway Related Medical Research and Clinical Practice

## FeNO 1+2 Innovations

Exhaled NO, CO & H<sub>2</sub>S measurements for **airway inflammations** and diseases



### 1+2 | Detection Options

Online + Offline & Tidal  
Age > 6 + 3-6 & < 3 / ICU



### 1+2 | Airway Sites

Large airway + Small airway & Upper airway  
Asthma + COPD & Allergic rhinitis, etc.



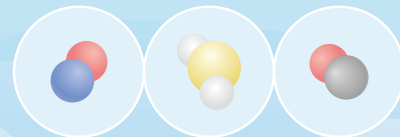
### 1+2 | Quality Controls

Qualified User+ Cylinder Gas & Self-calibration  
User + Manufacturer & Device Auto-Check



### 1+2 | Exhaled Biomarkers

NO + H<sub>2</sub>S & CO  
Type 2 + Non-Type 2 & Mixed



# Technical Specifications

<b>Models</b>	Sunvou-CA2122	Sunvou-TM2120	Sunvou-TM1100
<b>Measured Biomarkers</b>	NO, CO	NO, CO	NO
<b>Measured Paramters</b>	FeNO50, FeNO200/CaNO, FnNO10, FeCO	FeNO50, FeNO200/CaNO, FnNO5, FeCO	FeNO50
<b>Detection options</b>	Online,Offline,Tidal	Online	Online
<b>Analyzer Lifetime</b>	5 years or 50000 measures	5 years	5 years
<b>Sensor Lifetime</b>	2 years	2 years	2 years
<b>External Power</b>	Input: 100-240V ~ 50-60Hz, 0.6A Output: 24V, 1.04A	Input: 100-240V ~ 50-60Hz, 0.6A Output: 5V, 3.0A	Input: 100-240V ~ 50-60Hz, 0.6A Output: 5V, 2.0A
<b>Battery</b>	N/A	≥6h operating, ≥36h in stand-by	≥3h operating, ≥6h in stand-by
<b>Display</b>	PC	5000 measures	1000 measures
<b>Data Storage</b>	Connect PC to Display	5 Inch LED touchscreen	4.3 Inch LED touchscreen
<b>Dimensions</b>	75 x 210 x 88mm	195 x145 x 80mm	140x 100 x 78mm
<b>Weight</b>	2.0kg	1.0kg	0.7kg
<b>NO Exhalation Time</b>	FeNO50:Adult: ≥6 sec, Child: ≥4 sec; FeNO200: Adult: ≥4 sec, Child: ≥2 sec; FnNO10: Adult: 10 sec, Child: 6 sec	FeNO50: 10 sec; FeNO200: 4 sec; FnNO5: 25 sec	FeNO50: 10 sec
<b>Analysis Time</b>	NO: 70 sec    CO: 80 sec	NO: 20 sec    CO: 30 sec	NO: 20 sec
<b>Inhalation through breath filter</b>	Yes	Not necessary	Not necessary
<b>Measurement Range</b>	NO: 0-3000ppb    CO:0-250ppm	NO: 0-3000ppb    CO:0-250ppm	NO: 0-3000ppb
<b>Lowest Detection Limit</b>	NO: 3ppb    CO: 2ppm	NO: 3ppb    CO: 0.5ppm	NO: 3ppb
<b>Precision</b>	Relative Standard Deviation <10%	Relative Standard Deviation <10%	Relative Standard Deviation <10%
<b>Accuracy</b>	NO: <±3ppb for Measured Value<30ppb <±10% for Measured Value≥30ppb CO: <±2ppm for Measured Values≤20ppm <±10% for Measured Value>20ppm	NO: <±3ppb for Measured Value<30ppb <±10% for Measured Value≥30ppb CO: <±0.5ppm for Measured Values≤5ppm <±10% for Measured Value>5ppm	NO: <±3ppb for Measured Value<30ppb <±10% for Measured Value≥30ppb
<b>Linearity</b>	R2> 0.99	R2> 0.99	R2> 0.99
<b>Temperature</b>	Operating: 5-35°C Storage/Transport : -40-55°C	Operating: 5-35°C Storage/Transport : -40-55°C	Operating: 5-35°C Storage/Transport : -40-55°C
<b>Humidity (non-condensing)</b>	Operating: ≤80% RH Storage/Transport: ≤93% RH	Operating: ≤80% RH Storage/Transport: ≤93% RH	Operating: ≤80% RH Storage/Transport: ≤93% RH
<b>Pressure</b>	Operating/Storage/Transport: 700hpa-1060hpa	Operating/Storage/Transport: 700hpa-1060hpa	Operating/Storage/Transport: 700hpa-1060hpa
<b>Interference gases on NO results</b>	16 main interference gases in human breath: 15 gases response values < 3ppb: (Carbon Dioxide, Carbon Monoxide, Nitrogen, Oxygen, Hydrogen, Ethanol, Isoprene, Acetaldehyde, Acetone, Acetonitrile, Ammonia, Hydrogen Peroxide, Nitrogen Dioxide, Hydrogen Sulfide, Dimethyl sulfur), Methyl mercaptan response value <3.6ppb		