

# BLOOD Gas analyzer

Model:

Supplier: Diestro

<b>Sample type</b>	Heparin zed whole blood, exhaled air.
<b>Sample volume</b>	100 ul
Measured parameters and limits :	
<b>PO<sub>2</sub></b>	0 to 500 mmHg
<b>PCO<sub>2</sub></b>	5.0 to 200.0 mmHg
<b>pH</b>	7.000 to 8.000
<b>pAtm</b>	500.0 to 800.0 mmHg
<b>Calculated parameters</b>	<p>PH(T)(pH patient temperature corrected) 7.000 to 8.000            PCO<sub>2</sub> (t) (pCO<sub>2</sub> patient temperature corrected) 5.0 to 200.0 mmHg            pO<sub>2</sub>(t) (pO<sub>2</sub> patient temperature corrected) 0 to 500.0 mmHg            TCO<sub>2</sub> (Total Carbon Dioxide ) 1 to 100 mmol/l            HCO<sub>3</sub><sup>-</sup> ( Bicarbonate ) 1 to 100 mmol/l            BEb (Base Excess in whole blood ) -40 to +40 mmol/l            BEecf (Base Excess in extra cellular fluid )-40 to +40 mmol/l            StdB (standard Bicarbonate @ pCO<sub>2</sub> = 40 mmHg) 1 to 100 mmol/l            O<sub>2</sub> Sat (Oxygen Saturation ) 15.0 to 99.9 %            pH std: (pH standard @ pCO<sub>2</sub> =40 mmHg) 7.000 to 8.000            ctO<sub>2</sub> (Total content oxygen ) 0.0 to 56.0 Vol %</p>
<b>Input parameters</b>	<p>Patient temperature 5.0 to 45.0C            Hemoglobin 3.0 – 30.0 g/dl            FIO<sub>2</sub>, (fraction inspired of Oxygen ) 10.0 to 100.0%</p>
<b>Sample temperature control</b>	37.0 +/- 0.1 c
<b>Languages</b>	Multilingual
<b>Environmental conditions</b>	15-30 c , pAtm 500 to 800 mmHg , Humidity 5-85 % rh non condensing.
<b>Calibration</b>	Automatic or on-Demand, one and two point.
<b>Connectivity</b>	LIS, keyboard, mouse, BCR, UTP 10/100, USB, RS232 (with USB adapter) , WiFi , Bluetooth.
<b>Power</b>	100-240 VAC 50/60 Hz, 100W max.
<b>Size &amp; Weight</b>	43 cm (height) , 33 cm (width), 35 cm (depth) 18 kg (with consumables on board)
<b>Bar code Reader</b>	Built in, standard.

<b>Consumables</b>	Pack with liquid and integrated waste flask, primary Gas standards disposable cylinders.
<b>Buck up battery</b>	Lithium free, NIMh type, 45 min. Autonomy. (can be extended to 90 min with additional battery pack)
<b>Fill port</b>	Self- cleaning, syringe or capillary. No adapters needed
<b>Micro method</b>	Neonatology and geriatrics, 50ul
<b>Display</b>	7 inch 1024 * 600 IPS LCD with Capacitive touch.
<b>Printer</b>	Built in 58 mm thermal Paper printer