

Technical Specifications

Republic of the Philippines
Department of Health
CENTER FOR HEALTH DEVELOPMENT CALABARZON

TECHNICAL SPECIFICATIONS

Item No.:	1	Quantity	10
ABC :	P1,140,000.00	Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
IV Infusion Pump Applications intensive care, anesthesia, standard care, oncology, blood transfusion, parenteral nutrition, neonatal care Dosing units g, mg, µg, ng, IU, mmol Flow rate 0.1 – 1'200 ml/h Infusion volume 0.1 – 999.9 ml / 1'000 – 9'999 ml Infusion time 1 min – 99 h 59 min Automatic rate calculation on the basis of volume and time Bolus administration manually or automatically Bolus rate 0.1 – 1'200 ml/h Bolus volume 0.1 – 999 ml Purging of the infusion line 0.1 – 1'200ml Accuracy ±5%, depending on the used, supported infusion set KVO (Keep Vein Open) rate 0.1 – 10.0 ml/h Standby mode 1 – 60 min History and event log up to 1'000 events Nurse call connection to the central system Display type monochrome LCD, 98.4 x 26.2 mm, 240 x 64 pixel Display contents			

<p>flow rate in units and ml/h, infused volume, target volume (VTBI), infusion time, remaining infusion time, battery capacity, pressure level, medication name and setup, bolus delivery and information menu etc.</p> <p>Menu overview</p> <p>intuitive and configurable for specific applications</p> <p>Safety</p> <p>Pressure release</p> <p>automatic pressure release after occlusion</p> <p>Air bubble detection</p> <p>individual air bubbles accumulated air bubbles</p> <p>Drop detector</p> <p>10 – 65 drops/ml</p> <p>in transport mode alarm is less sensitive</p> <p>Alarms, pre-alarms</p> <p>visual and audible signals for rapid detection</p> <p>with text explanation and symbols, large alarm window</p> <p>Alarm types</p> <p>occlusion (up- and downstream), air bubbles, no drops</p> <p>and too many drops, end of infusion, standby, low battery, end of battery, maintenance due etc.</p> <p>Key lock</p> <p>activation / deactivation via numerical code</p> <p>Pressure limit for occlusion</p> <p>100 – 1'000 mbar (also in mmHg, kPa, cmH2O, Psi)</p> <p>10 configurable steps</p> <p>DERS: Medication database (Dose Error Reduction System)</p> <p>256 medications for download</p> <p>Power Supply</p> <p>Battery</p> <p>1'800 mAh, NiMH, Maintenance Free</p> <p>Battery operation</p> <p>6 hours at 25 ml/h</p> <p>Battery charging time</p> <p>9 hours, In stand by mode</p> <p>Main power supply</p> <p>230 VAC $\pm 10\%$, 50 – 60 Hz</p> <p>option: 115 VAC $\pm 10\%$, 50 – 60 Hz</p> <p>Product Specification</p> <p>Dimensions</p> <p>190 x 160 x 130 mm (W x L x D) without</p>	
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cobination clamp

Housing

ASA high performance plastic

Operating-/ medication temperature

5 – 40°C / 18 – 30°C

Temperature for storage and transport

0 – 40°C

Relative humidity

20 – 90% without condensation

NOTHING FOLLOWS

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Item No.:	2	Quantity	2
ABC :	P288,000.00	Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
<p>Syringe Pump Compatible with 2/3mL, 5/6mL, 10/12mL, 20mL, 30/35mL 50/60mL syringes and can fit all brands It has a flow rate setting range: 0.01-150mL/h (for 5mL syringes) 0.01-300mL/h (for 10, 20, 30mL syringes) It has keep vein open (KVO) mode, configurable 0.1mL/h Deliver following amounts of infusion: 0.1 - 99.99 ml in increments of 0.01 ml, 100.0 – 999.0 ml in increments 0.1 ml, 1000 – 9999 ml in increments 1 ml delivery rate according to the following: 0.1 - 99.99 ml/h in increments of 0.01 ml/h 100.0 - 999.9 ml/h in increments of 0.1 ml/h SMART pump: It can accommodate up to 1200 drug names with DERS (Dose Error Reduction System) configuration Weight: less than 1.6 kg delivers accurately at $\pm 2\%$ according to IEC/EN 60601-2-24 capable of increments as small as 0.01ml and 0.01 ml/ hr Changing of rate (titration) can be done without stopping the infusion capable of delivering 3 types of BOLUSES. (Manual Bolus, Automatic Bolus with Target Volume, and Automatic Bolus with Target Volume and Target Time) bolus rate customizable from 800mL/h to 1800 mL/h automatic bolus reduction system that automatically activates after an occlusion alarm Automatic Rate Calculation by calculating volume over time or</p>			

<p>by dose.</p> <p>The pump has Dose Rate Calculation that automatically calculates the delivery rate based on dose</p> <p>entries in mg, ug, IE or mmol, weight- and / or time-related</p> <p>(e.g. mg per kg/min; mg/kg/h; mg/kg/24h), bolus application in mg, ug, IE, mmol per kg and / or per time</p> <p>unit (min) with automatic calculation of the bolus rate for</p> <p>one bolus infusion</p> <p>capable of storing up to 1200 drugs and their individual</p> <p>configurations in its Drug Library</p> <p>Drug Library that is capable of having safety limits (soft and</p> <p>hard limits) for each drug</p> <p>ensures ensure long operating times, e.g. 9.4 hrs. @ 80 ml/h, 8.5 hrs. @ 25 ml/h</p> <p>Pump Battery have Battery Maintenance Function to ensure</p> <p>accurate battery charge level display.</p> <p>Certified for Emergency Ambulance, Mobile ICU, and Air, Water, and Terrain Ambulance (EN 1789 and</p> <p>EN 13718 -1)</p> <p>rated voltage of 100 to 240 V, AC~, (50/60 Hz</p>	
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Item No.:	3	Quantity	2
ABC : P56,000.00		Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
UV Light Bulb 30W Height: 56" Width: 7 1/2"			

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<p align="center">TECHNICAL SPECIFICATIONS</p>			
Item No.:	4	Quantity	2
ABC : P1,680,000.00		Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
<p>Infant Incubator</p> <p>Hood size Dimension: 64cm x 103 x 162cm Mattress size: 65 cm x 35 cm</p> <p>Control Panel 7 inch Color LCD touchscreen display Air curtain/ skin temp/ Humidity/ air temperature Temperature: 20° - 39° Skin Temperature Display: 34° -38°</p> <p>Servo active humidity control Water reservoir capacity: 1liters for24 hours Adjustable range: 30- 95 %</p> <p>Tilting bed: up to 12 degrees</p> <p>Swivel sensor module to change sensor while baby is inside the hood</p> <p>Standard Accessories: User manual copy Power cable for free voltage (100VAC – 240VAC) Cabinet with drawer UPS AVR for protection of power failure Skin temperature sensor Built in digital weighing scale Option: of Electronic height adjustment Built in xray cassette Option: 02 gas servo control and monitoring</p>			

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TECHNICAL SPECIFICATIONS

Item No.:	5	Quantity	1
ABC :	P600,000.00	Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
Infant Radiant Warmer Dimension: 90cm x 110cm x 185cm Mattress size: 70cm x 55cm Control Panel: Large bright LED display Pre warm/ Manual/ Servo Baby mode Temperature: 34°- 38° Skin temperature display: 18° - 42° Hands free intelligent alarm system Built in xray cassette Pivoting heater module Two angles examination lamp Rotating bed 360° Standard accessories: User Manual Power cable for free voltage (100 VAC- 240 VAC) Foldable side panels Reusable temperature probe I.V. Pole Free items: Automatic voltage regulator UPS Resuscitator for pedia w/oxygen blender w/ Height adjustment			

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Item No.:	6	Quantity	1
ABC :	P240,000.00	Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
Phototherapy Lamp (Bililight) Wavelength: 420 -480nm Radiant Intensity (blue super light) 1>120v W/cm ² /nm Blue LEDs irradiant area: 50x25cm LED lamp minimum of 24 pcs Lamp life span: 50,000 hours Control : 5inch LCD screen Alarm: High/Low skin temp., skin probe failure, therapy ending Height adjustable: 105 cm-155cm Standard accessories: Mobile cart with 4wheels Eye protection goggle (3 sizes) Automatic voltage regulator User manual			

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<p align="center">TECHNICAL SPECIFICATIONS</p>			
Item No.:	7	Quantity	1
ABC : P6,000.00		Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
<p>Fetal Doppler Digital High sensitive doppler probe, accurate FHR detection Low ultrasound power, safe to the fetal Optional display screen (value/diagram) Auto shut-off in 1 minute Display: 1:3 inches LCD Ultrasound frequency: 2.125MHZ-2.875MHZ Comprehensive sensitivity: >90dB FHR Range: 50/min~210/min Display Resolution: 1bpm FHR Detection Deviation: -2/min Probe and doppler are separated, more easier to operate Rechargeable battery, charger included Included Manual</p>			

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TECHNICAL SPECIFICATIONS			
Item No.:	8	Quantity	1
ABC : P800,000.00		Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
<p>PORTABLE BLOOD GAS ANALYZER Description: Fast and accurate processing for blood gases, acid-base balance, electrolyte ionized calcium, glucose, BUN and lactate Runs samples of whole blood, plasma and serum on single-use disposable cassettes Uses innovative optical technology Calibration of cassette before sampling - eliminates losing sample if cassette calibration fails Long cassette shelf life 6-12 months from the date of manufacture Easy and safe maintenance Safe disposal- waste is locked in the cassette Maintenance-free operation (no electrodes) Specifications: Sample volume: 125ul (60ul for B60 cassette) Calibration time: <90 seconds Measurement time: <120 seconds Typical Cycle time: <210 seconds Operating temperature: 10-30°C Measurement principle: Optical fluorescence, reflectance Sample application: syringe, capillary or comfort sampler</p>			

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Item No.:	9	Quantity	1
ABC :	P130,000.00	Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
AGGLUTINATION VIEWER 4"W x 7.5"H MANUAL			

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TECHNICAL SPECIFICATIONS			
Item No.:	10	Quantity	1
ABC : P30,000.00		Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
PLASMA EXTRACTOR Transparent Acrylic, Mild Steel Power Coated			

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Item No.:	11	Quantity	1
ABC :	P120,000.00	Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
TUBE SEALER PORTABLE (BLOOD BAG) 220 X 200 X 120 mm Weight: 4 kilograms			

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Item No.:	12	Quantity	1
ABC :	P850,000.00	Country of Origin:	
Brand:	Model:		
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
<p>GEL METHOD FOR CROSSMATCHING DG THERM</p> <p>Main Characteristics:</p> <p>2 independent incubation zones with a capacity for 12 DG</p> <p>Gel® cards and 12 test tubes in each zone</p> <p>Digital user interface screen for control and visualization of</p> <p>remaining incubation time and real temperature for each zone</p> <p>Fixed pre-set temperature of 37 °c</p> <p>Pre-set incubation time 15mins, which can be adjust by the user</p> <p>Audible programmable alarm to notify end of incubation period</p> <p>Visual and audible indication of any errors and power failure</p> <p>"Quick procedure guide included"</p> <p>Removable trash bin</p> <p>Technical Specifications:</p> <p>Capacity: 24 DG Gel cards and 24 testing tubes</p> <p>Temperature: 37 0C ±1 0C</p> <p>Time: 15 min. (variable)</p> <p>DG SPIN</p> <p>Main Characteristics:</p> <p>Simultaneous centrifuge of up to 24 DG Gel® cards</p> <p>Removable and exchangeable spinning head</p> <p>Pre-defined centrifugal parameters for optimum DG Gel®</p> <p>cards processing: acceleration, speed, braking and time</p> <p>Digital user interface visor for control and visualization of</p> <p>centrifuge speed and time remaining for processing.</p>			

<p> Programmable audible alarms for end of centrifugal time Visual and audible indication of any error and power failure Imbalance system detects incorrect placing of DG Gel® cards on the spinning head Quick procedure guide included Technical Specifications: Capacity: 24 DG Gel cards Speed: 900 rpm \pm 10 Time: 9 min. DG Manual Station Aluminum support with 2 modules DG Gel cards and sample tubes, and two racks for reagents The reagent racks have positions for the dropper caps Capacity for 16 DG Gel cards. 2 bottles of DG Gel Sol diluent, 8 vials of reagents (5 and 10 ml), 32 dilution tubes (Ø 13 mm) and 16 sample tubes (Ø 16 mm) Completely adaptable to suit both left-handed and right-handed operators Removable, easy to store racks (4 0C) DG Dispenser Plus Attachable to different types of bottles Convenient for dispensing DG Gel Sol diluent from the bottle precisely and safely when preparing RBC suspensions Easy to use volume adjustment control </p>	
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TECHNICAL SPECIFICATIONS

Item No.:	13	Quantity	1
ABC :	P350,000.00	Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
PLATELET AGITATOR/INCUBATOR See through tempered glass door with magnetic gasket Digital calibration-LCD display of temperature, real date, real time temperature histogram Bacteria resistant; powder coated exterior with high grade stainless steel interior Auto stop/start feature with alarm system Easy pull-out adjustable shelves; perforated falt bed shelves Adjustable speed agitation; Temperature controller; Microprocessor Internal Dimension: 540 x 520 x 634 mm External Dimension: 640 x 685 x 1185 mm Insulation Thickness: 50 mm			

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