Connecting Healthcare for Life

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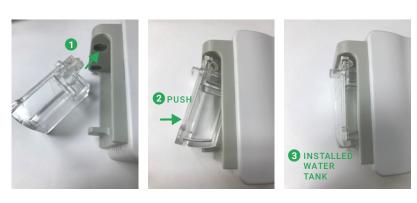support@BionetUS.com

QUICK GUIDE AND SPECIFICATIONS

1 DUAL GAS MODULE

Dual Gas sidestream module is intended for monitoring of intubated and ventilated or non-ventilated small and large patients under anesthesia. The Dual Gas module is a multi-gas analyzer measuring carbon dioxide (CO_2) and one of five anesthetic agents with manual selection of the specific agent type. This is intended for use only with the BM3Vet Touch, BM7Vet, BM Vet Pro Series (BM3Vet Pro / BM5Vet Pro / BM7Vet Pro), and BM Vet Elite Series (BM3Vet Elite / BM5Vet Elite / BM7Vet Elite).

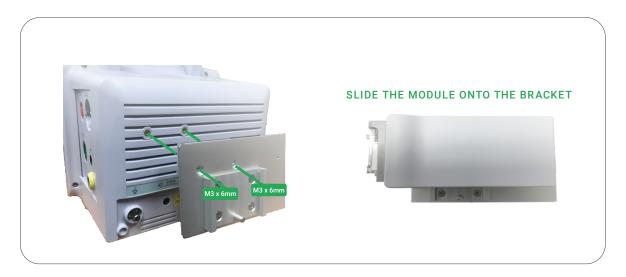## 2 INSTALLATION OF THE WATER TRAP TANK

❶

❷ PUSH

❸ INSTALLED WATER TANK

*** *Uninstalling the water trap tank is the reverse order of the installation.*

(3) **INSTALLATION OF SAMPLE LINE AND AIRWAY ADAPTER**

❶ PLUG IN   ❷ TWIST

❶ PLUG IN   ❷ TWIST

(4) **MOUNTING DUAL GAS MODULE**

M3 x 6mm   M3 x 6mm

SLIDE THE MODULE ONTO THE BRACKET

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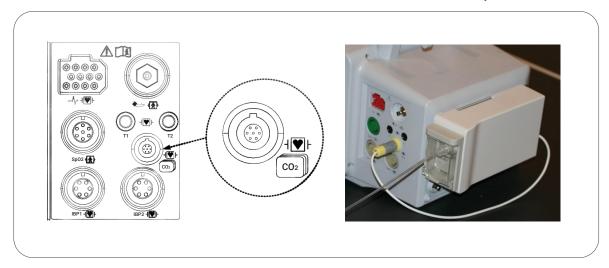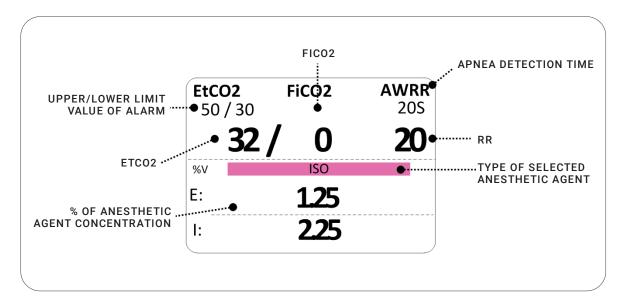Connecting Healthcare for Life

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5 CONNECTING THE MODULE TO THE DEVICE

The Dual Gas module will be automatically detected when it is connected to BM3Vet Touch, BM7Vet, BM Vet Pro Series, or BM Vet Elite Series.

*****Please refer to the operation manual of BM3Vet Touch, BM7Vet, BM Vet Pro Series, or BM Vet Elite Series for details of the Dual Gas module operation.*

FICO2

APNEA DETECTION TIME

UPPER/LOWER LIMIT
VALUE OF ALARM

EtCO2   FiCO2   AWRR
50 / 30   20S

32 /   0   20 .... RR

ETCO2

%V   ISO .... TYPE OF SELECTED
                         ANESTHETIC AGENT

E: 1.25

% OF ANESTHETIC
AGENT CONCENTRATION

I: 2.25

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5 SPECIFICATIONS

CO2	Range:	0 – 100 mmHg; 0 – 13.3 kPa; 0-10% CO2 STPD (standard temperature and pressure dry)
	Accuracy:	± (0.2 vol% + 4% relative)
	Rise Time:	400 ms (average)
Anesthetic Agents	Gases:	Isoflurane, Enflurane, Halothane, Desflurane, Sevoflurane
	Range: Iso., Enf., Hal., Sevo	0 – 6%
	Range: Desflurane	0 – 18%
	Resolution	0 .01%
	Accuracy	± (0.15% vol% + 4% relative)
	Rise Time	450 ms (average)
Calibration		Factory calibrated
Power Up Time		30 sec
Delay Time		< 4sec
Dimensions	L x W x H	175mm x 50mm x 85mm
Power	Sensor only (not including sampling pump)	12V 0.15A
Respiration	Range: Accuracy:	0-100 breaths/min ±1 breath/min
Flow Rate		Range and accuracy 170 ml/min ±20ml/min (TBD)
Environment Condition	Operating Temperature: Storage Temperature: Ambient Humidity: Ambient Pressure:	15 – 35°C -5 to 50°C 15-95% RH 70kPa to 106kPa (525mmHg to 795mmHg)
Weight		Approx. 400g
Water Removal System		Water trap tank
Sampling Line		Anesthetic gas tolerant standard sample line
Application	Veterinary use only	Species: Canine, Feline, Equine