

# M3T Mini vet

## Veterinary Monitor

The smallest footprint, most attractive, compact vital signs monitor globally



### [ Features ]

- ✓ The smallest most compact vital signs monitor footprint in the world
- ✓ Accurate Perfusion Index PI = 0.05% . With revolutionary, advanced movement compensation. Provide the parameter of PI (Perfusion Index 0.05%–20%)
- ✓ Accurate measurement in all kind of extreme environment measurement such as neonatal and shock patients
- ✓ NIBP adopts – SAWAA (Self-Adaptive-Waveform-Amplitude-adjustment) and SAFD (Self-Adaptive-fast-Deflation) algorithms
- ✓ Easy operation by 3.5" color TFT
- ✓ Up to 100 users ID switch
- ✓ M-Series monitors configured for departmental collocation parameters
  - M3S = SpO2
  - M3ST = SpO2 + TEMP
  - M3NT = NIBP + TEMP
  - M3T = SpO2 + NIBP + TEMP
  - M3C = CO2 + SpO2
  - M3E = SpO2 + EtCO2 + NIBP
- ✓ Two measurement modes: Spot or Monitoring modes
- ✓ Data storage capabilities - historical data view, trend graph view.
  - Monitoring mode - continuous recording, 48 hours of measurement data.
  - Spot mode - 100 user ID's, each user can store 200 data sets.
- ✓ Audible and visual alarms, with upper and lower alarm limit adjustment
- ✓ Lithium ion battery power supply
- ✓ Optional charging docking station

## Performance Specifications

Display	3.5' ' color TFT	Resolution	320*480
Indicator	Alarm indicator, Power indicator	Trace	1 plethysmogram waveform
Alarm	Probe off, low power	Modes	Visual and Audio
Application	Big and small animals		

### ✓ NIBP

- The wider NIBP measurement range

	Big animal	Small animal
SYS	40 ~ 270mmHg	40 ~ 200mmHg
MEAN	20 ~ 230mmHg	20 ~ 165mmHg
DIA	10 ~ 210mmHg	10 ~ 150mmHg

Pulse rate range: 40~240bpm

- NIBP measurement accuracy:  $\pm 3\text{mmHg}$
- Pulse rate measurement accuracy:  $\leq 2\%$  ( $\geq 100\text{BPM}$ ) or 2 beats/min ( $< 100\text{BPM}$ )
- Independent software protection pressure  
Big animal: 300mmHg      Small animal: 300mmHg
- Independent hardware protection pressure  
Big animal: 320~330mmHg      Small animal: 320~330mmHg



### ✓ Oxygen Saturation (%SpO2)

- Measurement range:

measure range

SpO2: 0~100%      PR: 0~500bpm

Perfusion index: 0.05%~20%

Accuracy range:

SpO2 saturation: 70~100%

Pulse rate: 20~500BPM

Perfusion Index: 0.025%~20%

- Measurement accuracy

SpO2: Big animal (including pediatric) + 2digit (70~100%) not defined (<70%)

Small animal + 3 digits not defined (<70%)

On motion condition + 3digit

PR: big/small animal (including pediatric) + 3digits

On motion condition + 3digit

Perfusion Index: 0.05%~20%

- Resolution

SpO2 saturation: 1%

Pulse rate: 1BPM

### ✓ Temperature

- Measurement range: 25 — 45°C

- Resolution: 0.1°C

- Accuracy: 0.1°C

- ✓ Power Type: Lithium ion battery

Operation time: 8 hours for normal operation

- ✓ Temperature: Operating: 0°C~45°C Storage/

Transportation: -20°C~65°C

- ✓ Humidity: Operating: 15% to 90% noncondensing

Storage: 0% to 95% noncondensing

- ✓ Altitude: Operating Altitude: Up to 5000 meters

- ✓ SIZE: Dimension 146mm\*67mm\*30mm Weight 250g

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### CO<sub>2</sub>

Measurement range:

ETCO<sub>2</sub>: 0-150mmHg (0-19.7%) (0-20kPa)    RR: 3-150BPM

Accuracy range:

ETCO <sub>2</sub> Range	Accuracy
0-40mmHg	±2mmHg
41-70mmHg	±5% of reading
71-100mmHg	±8% of reading
101-150mmHg	±10% of reading

RR Accuracy: ±1BPM

Resolution:

ETCO<sub>2</sub>: 0.1mmHg    RR: 1BPM

Setting compensation parameters

Pressure range: 450-850mmHg

Oxygen range: 0-100%

Equilibrium gas: N<sub>2</sub>O, He

Power Requirements: 5.0vdc ±5%, 1A (Module average power consumption is less than 1.3W)

Temperature: Work Environment: 10 - 40°C  
Storage Environment: -40 - 70°C

Humidity: Work Environment: 10% - 90% RH  
Storage Environment: <90% RH

