


## GIMA VETERINARINIAI MONITORIAI

Eil. Nr.	Aprašymas
1.	<div style="display: flex; align-items: center; margin-bottom: 10px;">  <p>Product Code: 33719</p> </div> <p><b><u>GIMA BM3 VET MONITOR</u></b>            Technical Specifications  <b>GENERAL</b></p> <ul style="list-style-type: none"> <li>• Display: 7" colour TFT (800x480)</li> <li>• Dimensions/Weight: 238x250xh 163 mm/3.1 kg</li> <li>• Indicators: U p to 4 waves (2xECG, SpO2, Respiration),</li> <li>• Categorized alarms (3 priority levels), external</li> <li>• Power LED, heart rate tone, battery status</li> <li>• Thermal printer: 25, 50 mm/sec (paper width 58 mm)</li> <li>• Battery: internal battery: Li-ion</li> <li>• Operating time: 2 hours (fully charged)</li> <li>• Interfaces: lan digital output for transferring data</li> <li>• DC input connector: 18 VDC, 2.5 A max</li> <li>• Operating voltage: 100-240 V, 50-60 Hz</li> </ul> <p><b>ECG</b></p> <ul style="list-style-type: none"> <li>• Leads: 3 leads, 5 leads(OPTION)</li> <li>• Heart Rate Range: 30 to 300 bpm</li> <li>• Heart Rate Accuracy: <math>\pm 3</math> bpm</li> <li>• ST level: yes</li> <li>• PVC Count display: yes</li> <li>• Bandwidth: 0.5 Hz to 40Hz</li> <li>• Display Sweep Speeds: 25mm/sec</li> <li>• ECG Size (Sensitivity): 0.5, 1, 2, 4 mV/cm</li> <li>• Pacemaker Detection Mode: Indicator on waveform display</li> <li>• CMRR: <math>&gt;90</math> dB at 50 or 60Hz</li> <li>• Input Dynamic Range: <math>\pm 5</math> mVAC, <math>\pm 300</math> mVDC</li> <li>• Defibrillator Discharge: <math>&lt;4</math> s</li> <li>• Arrhythmia analysis: VTAC/VFIB/ ASYSTOLIC</li> <li>• Lead-Off Detection with display indicator</li> </ul> <p><b>SpO2</b></p> <ul style="list-style-type: none"> <li>• % Saturation Range: 0% to 100%</li> <li>• Pulse Rate Range: 0 to 254 bpm</li> <li>• SpO2 Accuracy: 70% to 100% <math>\pm 2</math> digits</li> <li>• Pulse Rate Accuracy: <math>\pm 2</math> bpm</li> </ul> <p><b>NIBP</b></p> <ul style="list-style-type: none"> <li>• Technique: O scillometric</li> <li>• Measurement Modes: Manual: Single measurement</li> <li>• Auto: Automatic intervals of 1, 2, 3, 4, 5, 10, 15, 20, 30 min. and 1, 2, 4, 8 hours</li> <li>• Stat: Continuous measurement for 5 minutes</li> <li>• Cuff pressure display: 50 to 300 mmHg</li> <li>• B.P. measurement range: Systolic: 0 to 260 mmHg</li> </ul>

- Mean Arterial Pressure: 30 to 220 mmHg
- Diastolic: 20 to 200 mmHg
- Adjustable Cuff Inflation Pressure

#### Respirations

- Range: 5 to 120 breaths/min
- Accuracy:  $\pm 3$  breaths/min

#### Temperature Unit

- Range: 15° to 45°C (59°F to 113°F)
- Accuracy:  $\pm 0.1^\circ\text{C}$
- Compatible with: Y SI Series 400 Temperature Probes



Product Code: 33779

### GIMA BM5 VET MONITOR

#### Technical Specifications

#### GENERAL

- Dimensions/Weight: 270x185xh 250 mm/4 kg
- Trace: 6 waveform (ECGx2, SpO2, RR or EtCO2 IBPx2)
- Indicators:
  - Categorized alarms (3 priority levels)
  - Visual alarm lamp handle
  - Heart rate
  - SpO2 pulse pitch tone
  - Battery status,
  - External power led
- Thermal printer: 25, 50 mm/sec (paper width 58 mm)
- Battery: Li-ion (2 hours operating time)
- Interfaces:
  - Lan digital output for transferring date
  - Nurse call system connection
  - Defibrillator sync. output
- DC input connector: 12 to 18 VDC, 2.5A max
- Operating voltage: 100-240 V, 50-60 Hz

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#### SpO2

- % Saturation Range: 0% to 100%
- Pulse Rate Range: 0 to 254 bpm
- SpO2 Accuracy: 70% to 100%  $\pm 2$  digits
- Pulse Rate Accuracy:  $\pm 2$  bpm

#### ECG

- Lead type: 3-lead, 5-lead (33780), 10-lead(33779)
- Lead selection:
  - 3-lead: I, II, III (33780/1)
  - 5-lead: I, II, III aVR, aVL, aVF, V (33780/1 only)
  - 10-lead: I, II, III aVR, aVL, aVF, V1, V2, V3, V4, V5, V6 (33779 only)

#### ECG Waveforms:

- 3-lead 1 channel (33780/1 only)
- 5-lead: 3/7 channels (33780/1 only)
- 10-lead: 3/12 channels (33779 only)Hearth rate range:

- Adult: 30-300 bpm
- Neonate/pediatric: 30-350 bpm
- Heart rate accuracy:  $\pm 1$  bpm or  $\pm 1\%$ , whichever is greater
- Sweep speed: 6.25, 12.5, 25, 50 mm/sec
- Filter:
  - Diagnostic mode: 0.67-150 Hz
  - Monitoring mode 0.67-40 Hz
  - Surgical mode: 5-25 Hz
- S-T Segment detection range: - 2.0 to 2.0 mV
- Arrhythmia analysis: Asystole, Vtach, Vfib, Bigeminy, Accvent Couplet, Irregular, Pause, PVC, Ront, Trigeminy, Vbrady, Shortrun Diagnostic analysis: 120 kinds (33779 only)
- Pacemaker detection mode: Indicator on waveform display (user selectable)
- Protection: against electrosurgical interference and defibrillation

#### NIBP

- Technique: O scillometric with linear deflation
- Measurement Modes: Manual-Automatic-Continuous
- Measurement range:
  - Adult pressure: 20 to 260 mmHg
  - Pediatric pressure: 20 to 230 mmHg
  - Neonate pressure: 20 to 120 mmHg
- Cuff pressure display: 0 to 300 mmHg
- B.P. measurement range:
  - Systolic: 40 to 270 mmHg
  - Mean: 20 to 230 mmHg
  - Diastolic: 10 to 210 mmHg
- Adjustable Cuff Inflation Pressure

#### RESPIRATIONS

- Range: 5 to 120 breaths/min
- Accuracy:  $\pm 1$  breath/min
- Apnea alarm: yes

#### TEMPERATURE UNIT






- Range: 15° to 45°C (59°F to 113°F)
- Accuracy:  $\pm 0.1^\circ\text{C}$
- Compatible with: YSI Series 400 Temperature Probes

#### IBP

- Channels: 2
- Measuring range: -50 to 300 mmHg
- Measuring accuracy:
  - $\pm 1$  mmHg (<100 mmHg)
  - $\pm 1\%$  of reading(>100 mmHg)
- Pulse rate counting range: 0 to 300 beats/min
- Zero balancing:
  - Range  $\pm 200$  mmHg
  - Accuracy  $\pm 1$  mmHg
  - Drift  $\pm 1$  mmHg over 24 hours
- Transducer sensitivity:  $\mu\text{ V/V mmHg}$

#### EtCO2

- Measurement mode: Sidestream

	<ul style="list-style-type: none"> <li>• Measurement range: 0~150 mmHg 0 to 19%</li> <li>• Respiration range: 2~150 bpm</li> <li>• Accuracy: <ul style="list-style-type: none"> <li>- ± 2 mmHg, 0~40 mmHg</li> <li>- ± 5%, 41~70 mmHg</li> <li>- ± 8%, 71~100 mmHg</li> <li>- ± 10%, 101~150 mmHg</li> </ul> </li> <li>• Respiration accuracy: ± 1 breath per minute</li> </ul>
3.	 <p>Product Code: 33725</p> <p><b><u>BM3 CART/TROLLEY - with adjustable height</u></b>  Handy, stable and sturdy trolley with basket for B3 monitors.  Angle of plate adjustable. Height of cart is adjustable.</p>
4.	 <p>Product Code: 33752</p> <p><b><u>VET 3-LEAD CLIP TYPE CONNECTORS - old model</u></b>  ECG accessories for monitor BM3 and BM5 (codes: 33718,19,20,21,22,23,24,80,81).</p> <ul style="list-style-type: none"> <li>• Vet 3-lead clip type connectors for kit 33726/27 - spare</li> <li>• Old model (before 6/2006)</li> </ul>
5.	 <p>Product Code: 33753</p> <p><b><u>VET 5-LEAD CLIP TYPE CONNECTORS - old model</u></b>  ECG accessories for monitor BM3 and BM5 (codes: 33718,19,20,21,22,23,24,80,81).</p> <ul style="list-style-type: none"> <li>• Vet 5-lead clip type connectors for kit 33728 - spare</li> <li>• Old model (before 6/2006)</li> </ul>
6.	 <p>Product Code: 33760</p> <p><b><u>VET 3-LEAD CLIP TYPE CONNECTORS - new model</u></b>  ECG accessories for monitor BM3 and BM5 (codes: 33718,19,20,21,22,23,24,80,81).</p> <ul style="list-style-type: none"> <li>• Vet 3-lead clip type connectors for kit 33713 - spare</li> <li>• New model (after 6/2006)</li> </ul>
7.	 <p>Product Code: 33761</p> <p><b><u>VET 5-LEAD CLIP TYPE CONNECTORS - new model</u></b>  ECG accessories for monitor BM3 and BM5 (codes: 33718,19,20,21,22,23,24,80,81).</p> <ul style="list-style-type: none"> <li>• Vet 5-lead clip type connectors for kit 33712 - spare</li> </ul>

• New model (after 6/2006)



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Product Code: 33766

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**3-LEAD VETERINARY CABLE KIT (cable + clip connector)**

ECG accessories for monitor BM3 and BM5

• accessories for codes:

- 33777

- 33778

- 33779

• Lead: 3