

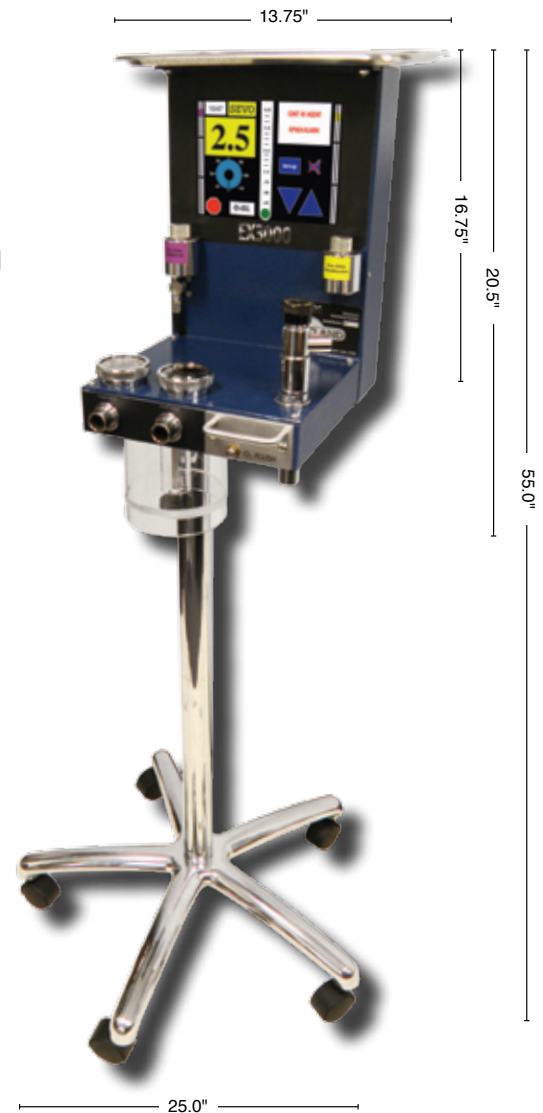
# Landmark EX3000

Vetland Medical manufactures the Landmark brand of veterinary equipment, which is known worldwide for its innovative design, durability and affordability. Landmark anesthesia systems are engineered to be the finest, safest and most reliable machines available; manufactured by the most capable anesthesia systems support company in the world. Together, we provide safe, secure, positive patient outcomes.

The future of anesthesia is here! The focus on safety has lead Vetland Medical to design the Landmark EX3000..... the only veterinary electronic dual drug delivery system in the world with safety monitoring ability. The Landmark EX3000 is proving to be the fastest growing choice among veterinary professionals. Vetland Medical designed the machine to be compact, well balanced and able to withstand the rigors of everyday clinical use providing corrosion free performance for decades to come. The system incorporates all the same great features of our Landmark series but utilizes cutting edge technology for a safer, more powerful system. The Landmark EX3000 System is also available as a wall mount.

## EX3000 Features

- Neat, balanced, compact design
- High accuracy dual drug delivery (Iso-Sevo)
- Key or funnel fill vaporizer ports
- Continuous self testing verifies proper function
- Best heat and moisture conserving coaxial absorber
- 1030 cc absorber is better
  - Less trapped volume
  - Less chance of “channeling”
  - Quicker anesthetic adjustments
- Safety monitors top 5 risk parameters
- High anesthetic monitoring and alarm
- Ventilation pressure monitoring and alarm
- Oxygen supply pressure monitoring and alarm
- Breath-to-breath ventilation sounds monitoring and alarm
- Anesthetic agent level monitoring and alarm
- Alarm silence
- Real time and date as well as case clock
- User controllable parameters within the setup menu
- Color touch screen display
- Alarms/configure communications window
- Pop-off valve with thumb occlusion
- Proven human quality FDA type valves
- Quick disconnect fresh gas outlet for non re-breathing applications
- Mayo tray standard on each machine
- Back cover protects all tubing connections
- Corrosion proof construction
- 5-leg base with lifetime caster replacement
- Accessory kit with each machine
- 24 x 7 x 365 technical support



## EX3000 Technical Specs

**Electrical** – UL approved, external supply, 115 VAC/60 HZ  
(220V/50 HZ optional international models)

**Battery** – backup supply 30 minutes minimum/4 hours maximum, sealed lead acid, maintenance free – charging time 16 hours

**Main Body** – Ultra High Molecular Weight Polyethylene (UHMW)

**Frame** – aluminum chassis; powder coated finish

**Base** – polished aluminum 5-star base with 2.5 inch hooded caster

**Pole** – chrome steel

**Pressure Gauge** – virtual display -10 to +80 cm H2O

**Flush Valve** – FDA approved, safe 15-18 LPM oxygen flow

**Oxygen Flowmeter** – electronic touch screen controlled  
(.25 increments 0-3 LPM and .5 increments 3-4 LPM)

**Pop-Off Valve** – FDA approved safe, adjustable pressure limiting, upright, chrome plated brass body, internal valve disc maintains 2 cm H2O, 19 mm taper exhaust connection

**Inspiratory/Expiratory Valves** – nickel plated brass, neoprene directional valves, 22 mm tapered valve port

**CO2 Absorber** – quick attachment 1030 cc acrylic canister, single gasket seal with coaxial flow path; utilizing loose fill absorbent (Vetland recommends the use of Amsorb absorbent)

**Electronic Vaporizer** – precision vaporizer, temperature and pressure compensated; flow range 25 cc to 4 LPM @ 1013mbar at 72° F Isoflurane +/- 5%, Sevoflurane +/- 5% of setting. Funnel fill (keyfill optional) Isoflurane .25 to 5%; Sevoflurane .25 to 8% (.5% increments)

**Gas Supply** – pressure regulated 50 PSI supply +/- 5 PSI

**Oxygen Inlet** – D.I.S.S. oxygen male thread

**Operating Temperature** – 59° to 95° F

**Pre-Use Checkout** – recommended daily

**Machine PMC** – recommend machine PMC performed annually by a qualified technician.

**Vaporizer Calibration** – The EX3000 Vaporizer from Vetland Medical is calibrated for life and has no scheduled rebuild or calibration required. Vetland Medical does recommend as part of the machine PMC, the vaporizer outputs be verified for accuracy.



## EX3000 Alarms

<b>Audible Breath</b>	On/Off
<b>Apnea Breath Volume</b>	10-100 (intervals of 10)
<b>Apnea Alarm</b>	On/Off
<b>Apnea Alarm elapsed Time</b>	5 to 30 seconds (intervals of 5 sec.)
<b>High Pressure Alarm</b>	10-60 (intervals of 1)
<b>Continuing Pressure</b>	10-60 (intervals of 1)
<b>Screen Brightness</b>	1-7 (intervals of 1)
<b>Isoflurane Medium Concentration</b>	0% to 5% (intervals of .10%)
<b>Isoflurane Medium Time</b>	0-10 minutes (intervals of 1 min.)
<b>Isoflurane High Concentration</b>	0% to 5% (intervals of .10%)
<b>Isoflurane High Time</b>	0-10 minutes (intervals of 1 min.)
<b>Sevoflurane Medium Concentration</b>	0% to 8% (intervals of .10%)
<b>Sevoflurane Medium Time</b>	0-10 minutes (intervals of 1 min.)
<b>Sevoflurane High Concentration</b>	0% to 8% (intervals of .10%)
<b>Sevoflurane High Time</b>	0-10 minutes (intervals of 1 min.)

