CentralVUE™
Veterinary Multi-Channel Telemetry System

Your Answer to Emergency and Critical Care

- Configurable up to 9 channels
- Ultra small 5 lead ECG transmitter
- Large HD 23” display with touch screen operation
- 5 Leads ECG, display up to 6 leads simultaneously
- Arrhythmias and ST segment analysis
- 48 hours of ECG recording & player
- ECG player with full measurements and analysis capabilities
- 48 Hour ECG full disclosure
- Optional Nellcor® OxiMax® VetSat® SpO2
- Patient data stored in MS Excel® files for easy transfer to most practice management software
- Built-in Wi-Fi connection for seamless data transfer and printing to network
- Remotely access your CentralVue™ from any computer or smart phone

Driven by Innovation in Veterinary Medicine
www.digi-vet.com
The CentralVue™ Veterinary 9 channel Multi-Parameter Telemetry System receives vital signs from portable TeleVue™ transmitters. The TeleVue™ TV2x multi-parameter transmitter can measure 5 lead ECG, ST segment analysis, arrhythmias, respiration, temperature and optionally Nellcor® OxiMax® SpO2. The TeleVue™ TV1x ultra small transmitter measures 3 and 5 lead ECG. These vital signs can be transmitted from anywhere in the hospital up to 300ft and can be expanded up to 1000ft. The CentralVue comes standard with a multi-channel Bluetooth® receiver and a dedicated all-in-one touch screen computer. On each individual channel there are 6 programmable waveform traces and an easy to understand display. Included is a 48 hour ECG recorder that offers 48 hour full disclosure printing as well as an ECG measurement tool. The CentralVue™ will generate both Excel® and PDF® reports of tabular data that can be printed or saved for a later time. The built-in wireless adapter allows the CentralVue™ to easily connect to the clinic’s network allowing seamless data transfer. The CentralVue™ can be accessed and controlled from anywhere using computers, tablets and smart phones.

### TeleVue™ Series Transmitter Technical Specifications

#### TeleVue™ TV2x (Multi-Parameter)

**ECG**
- Standard Leads: I, II, III, aVF, aVR, aVL
- Maximum amount of simultaneously displayed channels: 6
- Lead detection: identifies failed lead
- Auto 3/5 leads system recognizing and switching
  - Input: Input signal range: 10 mV to +10 mV
  - Input impedance: > 5M ohm
  - DC offset voltage: 500 mV
  - Common mode rejection: > 100dB
- Output: Scales: ± 0.1 mV to ± 8 mV
  - Filter: 0.05-130Hz, 0.5-42Hz, 1-20Hz, 5-20Hz
  - Calibration signal: 1mV/pulse ± 3%
- Heart Rate computation:
  - Range: Large Animals: 10 - 300 bpm
  - Small Animals: 5 - 350 bpm
  - Accuracy: ± 1.1 bpm or ± 3% of input rate
  - ST segment measurement:
    - 3 channels measurement
    - Update ST template every 10s
  - Range: -2.0 mV to +2.0 mV

**Arrhythmia analysis:**
- Asystole (ASY)
- Ventricular tachycardia / Ventricular fibrillation (VTA/VF)
- Run two of the ventricular premature beat (CPT)
- Run ¾ of ventricular premature beat (RVU)
- Ventricular bigeminy (VBM)
- Ventricular trigeminy (VTM)
- Run on T (ROT)
- Single ventricular premature beat (VPB)
- Missed (WIS)

**Respiration**
- Waveform: 1 cpm
- Respiration rate range: 7-1500 bpm
- Resolution: 1 bpm
- Accuracy: ± 2 bpm
- Apexes alarm: 10s, 15s, 20s, 25s and 30s
- Gain: 10 levels
- Baseline impedance: 500 - 40000
- Detection sensitivity: 0.3 - 52

#### TeleVue™ TV1x (Ultra-Small Transmitter)

**ECG**
- Standard Leads: I, II, III, aVR, aVL, aVF Vx
- Maximum amount of simultaneously displayed channels: 6
- Lead detection: identifies failed lead
- Auto 3/5 leads system recognizing and switching
  - Input: Input signal range: 10 mV to +10 mV
  - Input impedance: > 5M ohm
  - DC offset voltage: 500 mV
  - Common mode rejection: > 100dB
- Output: Scales: ± 0.1 mV to ± 8 mV
  - Filter: 0.05-150Hz, 0.5-42Hz, 1-20Hz, 5-20Hz
  - Calibration signal: 1mV/pulse ± 3%
- Heart Rate computation:
  - Range: Large Animals: 10 - 360 bpm
  - Small Animals: 5 - 350 bpm
  - Accuracy: ± 1 bpm or ± 3% of input rate

**Bluetooth®**
- Bluetooth® Version 1.2
- Class 1
- Level 18dBm
- Working distance: 300ft (100m)

**General Specifications**
- AC Adapter mains Voltage: Automatic Selection 100-240Vac (50/60Hz)
- Input Voltage TeleVue: 17Vdc
- Batteries: 4AA Rechargeable NiMH 2500mAh
- Power: 15 Watts at 1 model (ECG, Resp and Temp)
- 18 Watts at 1 model (ECG, Resp, SpO2 and Temp)
- Relative Humidity: 30-75% (non-condensing)
- Dimensions: 3.9" (W) x 2.1" (H) x 1.0" (D)
- Weight: 0.27 lbs (120g)

**TV2x (Multi-Parameter)**

**Bluetooth®**
- Bluetooth® Version 1.2
- Class 1
- Level 18dBm
- Working distance: 300ft (100m)

**General Specifications**
- AC Adapter mains Voltage: Automatic Selection 100-240Vac (50/60Hz)
- Input Voltage: 3.7Vdc
- Batteries: Lithium-ion @ 1200mAh
- Charge time: 4-5 hr (cannot be used to monitor during charge)
- Operation more: fully charged: 15 hours with 30ft range
- Power: 0.37 Watts
- Relative Humidity: 30-75% (non-condensing)
- Dimensions: 2" (W) x 3" (H) x 0.8" (D)
- Weight: 0.22 lbs (100g)

**Driven by Innovation in Veterinary Medicine**

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[Image: CentralVue™cvx8 Veterinary Multi-Channel Telemetry System - sample page]