

# Data Sheet

## ImaGo L&C



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## Product Description

- **On-the-Go** Ideal for mixed practice veterinarians on the move, The ImaGo weighs 1.18 kg and with sealed probes and presets is ideal for the vets that move between the farms.
- **Extensive application range:** The ImaGo comes with sealed linear or curve probes and accessories to support you in various use cases and workflows.
- **Cutting-Edge Software:** Equipped with automatic follicle sizing and ageing tables as well as regular upgrades to your image quality, the ImaGo allows for quick and accurate diagnosis
- **User-Centric Design:** Our scanner is designed with your comfort in mind. Experience the convenience of a portable ultrasound system that can be used effortlessly in different settings.

## 1 General Specifications

### 1.1 Dimensions and Weight

- Width: 21 cm
- Depth: 9 cm
- Height: 17 cm
- Weight: 1.18 kg with the battery and probe

### 1.2 Electrical Power

- Works on interchangeable battery
- Battery autonomy: 4 hours with 50% use, 50% idle
- Battery recharging time: 5.5 hours
- Battery charger power supply
- Voltage: 12 V, 2A

### 1.3 Console Design

- Probes interchangeable
- Dual band Wi-Fi a/b/g/n

### 1.4 Processing

- Digital beamformer
- Parallel beamforming
- 16 true emission channels
- 32 reception channels
- Continuous dynamic focusing in receive
- 256 shades of grey
- Image processing upgrades
- Boot up: less than 15 sec
- 

## 2 User Interface

### 2.1 Operator Keyboard

- 7-button membrane panel

### 2.2 Display

- 6.5 inches LCD
- Digital Brightness/Contrast Adjustment
- MI: Mechanical Index
- TI: Thermal Index
- Screen resolution 640 px x 480 px, 800 cd/m<sup>2</sup>, high contrast, 900:1, wide viewing angle

## 3 Operating modes

- B mode
- Color Flow Mapping (CFM) Velocity

## 4 Settings

- Timer: switches on/off automatically when the scanner is on or off.
- Image storing formats - Jpeg (.jpeg)
- Clip storing formats - Video H264 (.mp4)
- Individual user protocols for each application
- Export of images, clips, to external media via Wi-Fi to the mobile app: Imago Go
- connect
- Image orientation: Invert left-right and up-down.
- Grid, gain, contrast, persistence, freeze, saving images and clips.

## 5 B Mode imaging

- Depth: from 5 cm (probe dependent)
- Multi-frequency wideband technology on all probes
- Distance: various measurements on frozen image.
- Foetal ageing
- Advanced imaging using wide aperture receive.
- Smoothing using persistence and 2d smoothing filter. Firmware frame averaging up to 4 Frames, B-Mode only
- Firmware 2d smoothing filter
- 9-33 frames per sec depending on Preset

## 6 Color Flow Mapping (CFM) Mode imaging

- CFM settings on certain presets
- Preset changes depending on the probe
- CFM gain: 0-9
- CFM PRF: 1000

## 7 Presets

- 15 presets -B mode
- 7 presets-CFM mode
- Presets will vary depends on probe and species
- Presets are displayed on the screen

## 8 Freeze - Cineloop

- Cineloop window: 300 frames
- Cine-review: Frame by frame, Loop
- ImaGo Currently uses 256 MByte of flash for data storage, this allows for storage of around 1000 images or 15 Cine loops (300 frames / 15second long)
- Measurements and calculations on frozen and

live images and clips

- Can be exported to mobile
- Review of stored images and clips on mobile.
- Export of stored images and clips to mobile via Wi-Fi and Go app.

## 9 Applications

- Reproduction
- Abdominal
- General
- Non-reproduction

## 10 Waterproofness

- Designed to IP67 standard

## 11 Probes: Linear and Curve sealed probes

Linear probe

**Applications:** OB/GYN;

**Foetal sexing, Ovarian diagnosis, follicles visualization**

- Wideband
- Central frequency: 6.5 MHz
- B-Mode frequencies: 5, 7.5, 8.5

MHz

- CFM mode frequencies: 5.0, 7.5 MHz
- Number of elements: 128
- Pitch: 0.5 mm
- Aperture: 8.5 mm
- FOV: 64 mm

**Curve**

**probe**

**Applications:** OB/GYN; **Foetal sexing, Ovarian diagnosis, follicles visualization**

- Wideband
- Central frequency: 4 MHz
- B-Mode frequencies: 2.7, 4.3, 5.7 MHz
- CFM mode frequencies: 3.0, 4.3, 6 MHz
- Number of elements: 128
- Pitch: 0.5 mm
- ROC (Radius of Curvature): 60 mm
- Aperture: 9.5 mm
- Angle: 61°

## 12 Inputs and Outputs

- Wi-Fi 802.11 b/g/n

## 13 Safety Conformity

- CE Marked to Council Directive 93/42/EEC on Medical Devices
- Conforms to the following standards for safety:
  - EN 60601-1 Electrical medical equipment
  - EN 60601-1-1 Electrical medical equipment
  - EN 60601-1-2 Electromagnetic compatibility
  - EN 60601-1-4 Programmable medical systems
  - EN 60601-2-37 Particular requirements for the safety of ultrasonic medical diagnostic and monitoring equipment
  - ISO 10993 Biological evaluation of medical devices

## 14 Mobile app

- Go app Available: iOS and Android
- Function: save images and videos
- Backfat measurements
- Trace measurements

Not all features or specifications described in this document may be available for all probes and/or modes. IMV Technologies reserves the right to make changes in specifications and features shown herein, or discontinue the product at any time without notice or obligation. **Contact IMV Technologies representative for the most current information.**

