



## BLOOD PRESSURE & CORE TEMPERATURE

Continuous measurement on freely moving large animals



### COMBINE emkaPACK4G WITH THE easyTEL+ IMPLANT

From emkaPACK4G non-invasive telemetry:

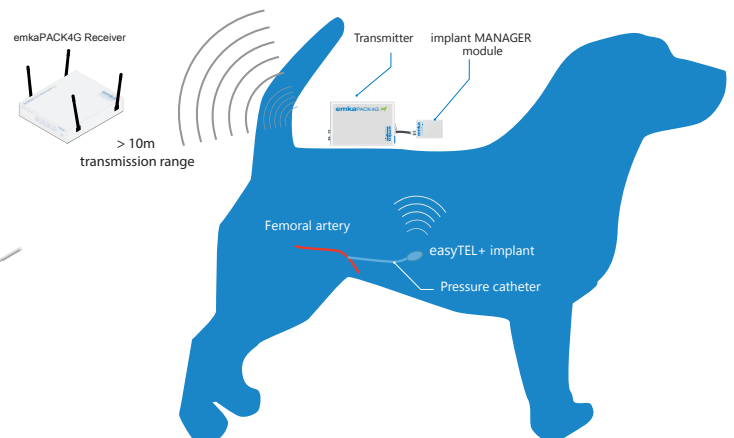
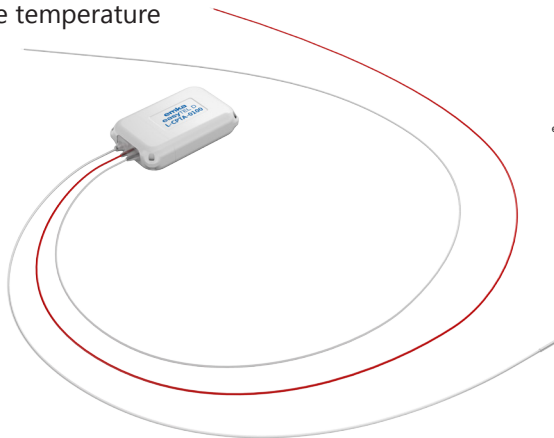
- » Single and multi-lead ECG
- » Respiration from one or two inductance belts
- » 3-axis acceleration to assess activity

From easyTEL+ implant (PT model):

- » Blood pressure
- » Core temperature



*Digital radio link : No crosstalk !*



### HOW DOES IT WORK?

- » easyTEL+ implant measures blood pressure and temperature
- » Signal from implant is radiotransmitted to the implant MANAGER module, on subject specific frequency and does not allow crosstalk
- » Data from implant and 4G transmitters are merged and sent to Bluetooth receiver
- » Wireless receiver can be located anywhere on the animal and doesn't need to sit on top of the implant
- » 1 Ethernet cable per receiver handles data and provides power

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**No crosstalk**



**Remote sleep/active mode**



**Cost effective**



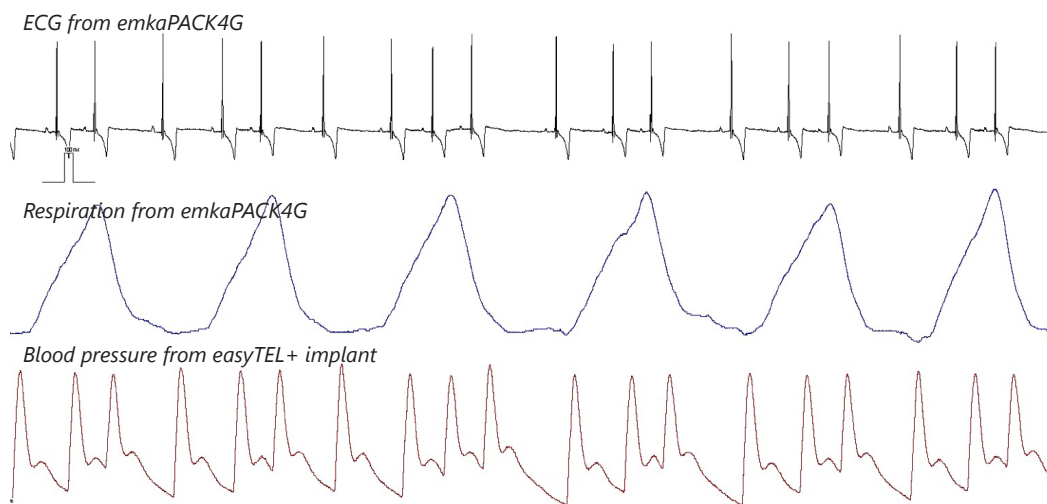
### KEY FEATURES

- » Implant can remotely be put in sleep mode (to save battery life) and back in active mode
- » Use a magnet to turn implant on or completely off
- » Implant can be used as long as battery lasts.
- » Implants price very competitive

### WORLD CLASS SOFTWARE

emka TECHNOLOGIES software suite offers:

- » Acquisition and real-time analysis with iox2 software
- » Possible synchronized video recording
- » Gold standard for ECG analysis with ecgAUTO (any species, any lead)
- » GLP tools, audit trail and electronic signature
- » Global study data organization and management



Synchronized signals from dog: ECG and respiration from non-invasive emkaPACK4G, arterial blood pressure from easyTEL+ implant

### SPECIFICATIONS

	Size (mm)	Weight (g)	Battery life
easyTEL+ M _ PT implant	35x29x14	16	50 days
easyTEL+ L _ PT implant	51x35x14	29	200 days
Implant manager module	61x41x19	40	Powered by emkaPACK4G transmitter