

BLOOD PRESSURE & CORE TEMPERATURE

Continuous measurement on freely moving large animals



RECORDED SIGNALS WITH emkaPACK4G + MIBP COMBINATION

From emkaPACK4G non-invasive telemetry:

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

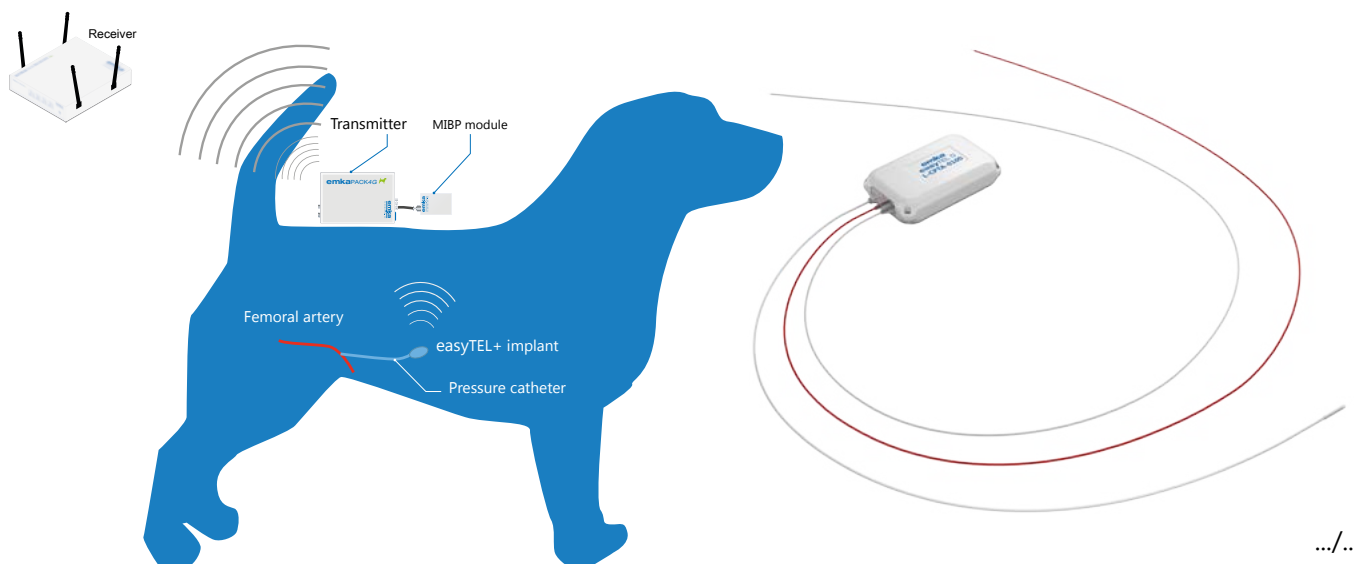
From easyTEL+ implant:

- » Blood pressure
- » Core temperature



HOW DOES IT WORK?

- » easyTEL+ PT implant measures blood pressure and temperature
- » Signal from implant is radiotransmitted to the MIBP module
- » Digital radio link from implant to MIBP runs on subject specific frequency and does not allow crosstalk
- » MIBP module is housed in a jacket and connected to emkaPACK4G transmitter
- » Data from implant and emkaPACK4G transmitters are merged and sent to Bluetooth receiver
- » 1 Ethernet cable per receiver handles data and provides power



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Add-on to emkaPACK4G non-invasive telemetry

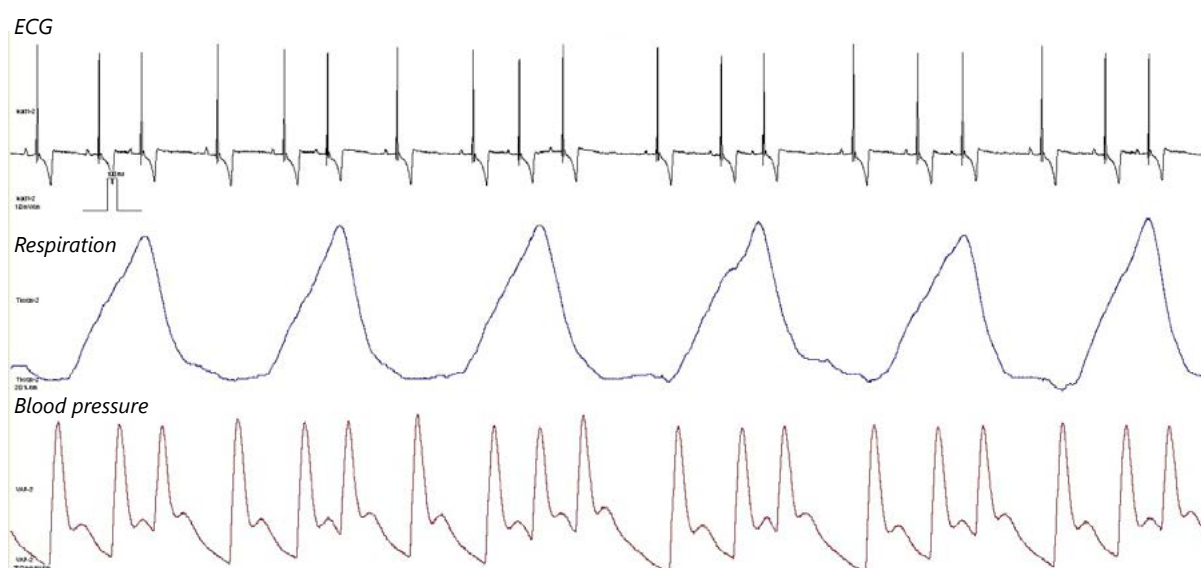
MIBP easyTEL-D-PT IMPLANT KEY FEATURES

- » 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. No refurbishment costs or delays
- » Implants price very competitive

WORLD CLASS SOFTWARE

emkaPACK4G takes full advantage of emka TECHNOLOGIES software suite:

- » 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 MIBP easyTEL-D PT implant

SPECIFICATIONS

	Size (mm)	Weight (g)	Battery life
easyTEL+ PT implant	51x35x14	32	110 days
MIBP module	61x41x19	40	-
emkaPACK4G transmitter	106x62x26	163	48 to 72h with 2 x 1.5 V batteries