



NON-INVASIVE ECG & RESPIRATION FROM CONSCIOUS RATS & MICE



ecgTUNNEL records 6-lead ECG signal with respiration in option.

Mouse and rat models, with interchangeable tunnels, are available, to accommodate from neonate to adult subjects.



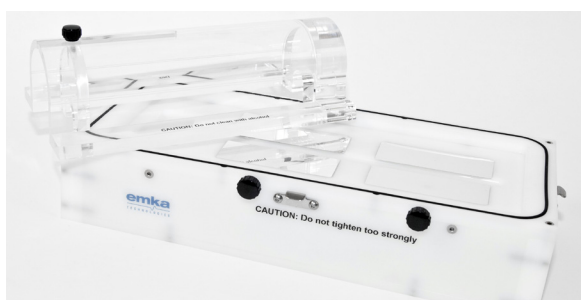
| ecgTUNNEL | |
|--------------------|----------------|
| Sampling frequency | 2 kHz |
| Bus protocol | USB 2.0 |
| Faraday cage size | 470x270x270 mm |

| Mouse model | |
|----------------------|-------------------|
| Base size (LxWxH) | 260x110x80 mm |
| Dome size (LxWxH) | 260x110x74 mm |
| Restrainer diameters | 20, 25, 32, 40 mm |
| Restrainer length | 120 mm |
| Weight | 2.58 kg |

| Rat model | |
|----------------------|---------------|
| Base size (LxWxH) | 390x160x85 mm |
| Dome size (LxWxH) | 390x160x99 mm |
| Restrainer diameters | 50, 60, 70 mm |
| Restrainer length | 270 mm |
| Weight | 5.4kg |

| ECG signal | |
|-------------|---------------|
| Input range | ± 300 mV |
| Gain | 8mV/mV |
| Resolution | 0.037 μ V |

| dpt (differential pressure transducer) | |
|--|--|
| Pressure range | 0-2.5 cmH ₂ O |
| Full scale output @Vcc | 4.17 mV |
| Sensitivity | 1.64 mV/cmH ₂ O |
| Gain | 177 |
| Resolution | 10x10 ⁻⁷ cmH ₂ O |



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