




## IT'S A SMALL WORLD AFTER ALL.

**THAT'S WHY OUR NEW E-MITTER® BATTERY-FREE IMPLANTABLE  
TRANSPONDERS ARE SPECIFICALLY DESIGNED  
WITH SMALLER RODENTS IN MIND**

E-Mitter Battery-Free Implantable Transponders use telemetry to provide temperature, gross motor activity and heart rate data. E-Mitters are small implantable transponders that are powered by capturing energy from electrical fields generated by the ER-4000 Energizer/Receiver. This allows the transponders to operate without batteries and remain implanted indefinitely to monitor the subject's temperature, activity or heart rate. As a result, high costs and downtime of explantation, refurbishment and reimplantation are avoided.

# E-MITTER BATTERY-FREE IMPLANTABLE TRANSPONDERS


## Four Models to Choose From:



**G2 E-Mitter**  
Parameters: accurate temperature and gross motor activity  
A smaller version of the TA E-Mitter sized especially for mice



**NEW! G2 HR E-Mitter**  
Parameters: heart rate, core body temperature and gross motor activity  
Smallest E-Mitter available with heart rate



**TA E-Mitter**  
Parameters: core body temperature and gross motor activity



**HR E-Mitter**  
Parameters: heart rate, core body temperature, and gross motor activity

Note: conventional battery-powered temperature/activity transmitters with user replaceable batteries are available for low temperature studies or targeted brain temperature studies.

## Special Features:

- Telemetry – no lead artifacts, tethers, exit site infections, or other hard-wired problems
- Battery-free – no downtime or recurring costs for battery refurbishment or recalibration
- Long-term monitoring – only implantable telemetry device to allow uninterrupted, lifetime studies in lab rodents
- Accurate and reliable – reporting physiological and behavioral data from unrestrained animals

E-Mitters	Specifications
E-Mitter temperature range	33° C - 41° C
E-Mitter accuracy	± 0.1° C
G2 E-Mitter size / weight	15.5 mm x 6.5 mm / 1.1 gm
G2 HR E-Mitter size / weight	19.5 mm x 3.5 mm / 1.5 gm
TA E-Mitter size / weight	23 mm x 8 mm / 1.6 gm
HR E-Mitter size / weight	26 mm x 8 mm / 2.2 gm
HR measuring range	120 - 780 BPM
Activity	Gross motor activity only



Customer Service: 800-685-2999 or 541-598-3800  
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