A new power supply option is now available that can power the Model 1030’s ERT Module in many MR installations. Facilities that have a magnet in a RF shielded room can use the ERT power supply in place of the ERT Module Battery Pack.

The ERT power supply converts 12 VDC to 6 VDC with isolated grounds. It has a small isolation transformer that operates in a magnetic field smaller than 100 gauss. The fringe field of a magnetically shielded MR magnet is usually less than 100 gauss 2 to 3 feet from the magnet bore. Power is delivered to the ERT Module using a long RF shielded power supply cable.

Facilities using the older 2-lead ECG Module can upgrade to the 3-lead ERT system with the isolated 6 VDC power supply to obtain improved performance and reliability.
Next Generation MR-compatible Small Animal Monitoring and Gating System

3-lead ERT Module

ERT Isolated 6 VDC Power Supply

MAGNET

RESPIRATION PILLOW

ERT Module

OPTIONS MODULES

FIBER OPTIC CABLE BUNDLE

BI-DIRECTIONAL FIBER OPTIC CABLES

FIBER OPTIC CABLE BUNDLE

OPERATOR CONSOLE

ERT Control / Gating Module
Model 1030
MR-compatible Small Animal Monitoring & Gating System

USB TO SERIAL CABLE