

PINNACLE

TECHNOLOGY INC

8172 LE Bluetooth Wireless Potentiostat

GENERAL DESCRIPTION

The 8172 is a low-powered, wireless two channel potentiostat that applies a bias and transmits up to two digitized signals to a paired Bluetooth® USB dongle (9054) which interfaces with Pinnacle's Sirenia Acquisition software for data recording.

APPLICATIONS

The 8172 was specifically designed to work with high impedance sensors. Its primary use is in preclinical research rodent studies to digitize and transmit data from a connected biosensor which measures neurochemical changes in the brain.

FEATURES

- High gain
- Low noise
- Digital transmission
- Wireless

SPECIFICATIONS

Weight	11.8 g (includes CR2032 battery)
Dimensions	37 mm X 22 mm X 13 mm
Number of Channels	2
Transmission Type	Bluetooth® V 4.0
Transmission Radius	6 m
A/D	24-Bit
Recording Frequency	1 Hz
Battery Life	> 2 weeks
Factory Set Bias	0 - 1.25 V [0.6]
Amplification	20 million V/A
Full Scale Current	63 nA at 0.6 V

