



22 January 2024

Dear Researcher,

The PTD-SIM telemetry signal simulator is an invaluable tool for system setup, user training, demonstration, and system validation. The device provides simulated telemetry output representing stereotypical physiologic signals from a PhysioTel Digital telemetry implant. The PTD-SIM can be used to simulate the telemetry signal from both the L11 and the L21 implant models.

The PTD-SIM is a device that transmits digitally encoded waveforms over the air in digital format. It can be used by researchers to perform periodic system checks to ensure that the signal is transmitted and received appropriately within the Ponemah software platform. The PTD-SIM user manual gives guidance on the use of the PTD-SIM as well as the expected derived parameter values within Ponemah.

Due to the digitally pre-recorded transmitted signals from the PTD-SIM, there is no change in accuracy or drift, as seen in converting the stored signal to pulse position devices such as the TSS-1.

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