The Nickel™

Serious Tool, Compact Design

Sonora Medical Systems, Inc.

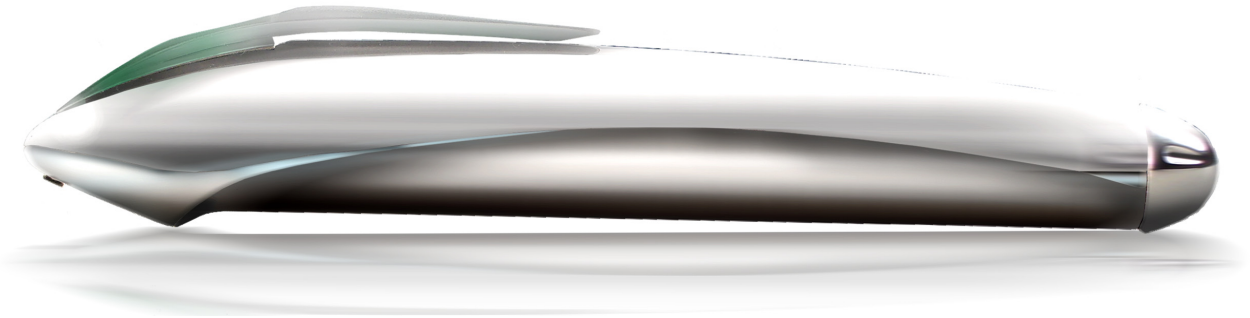
Nickel™ DEVICE SPECIFICATION SHEET

For Informational Purposes Only

Product Description: The Nickel™ is an easy to use hand held device designed to test diagnostic ultrasound probes and various imaging modes with the ultrasound system. This battery operated device senses acoustic pulses that are transmitted from a functional element within the array of the probe. When a sufficient threshold signal is received from an element the LED indicator on the device will toggle from steady state red to a slow to steady state pulsating green (or green variant such as yellow depending on the acoustic power level coming from the probe) indicating a functional element. The device will then transmit an acoustic signal back to that element which is processed by the ultrasound system and displayed on the system's monitor as a bright signal along the appropriate vector lines that make up the transducer display format. This indicates that the receive, processing and display electronics within the ultrasound system for all modalities are functional. The Nickel acoustic signal also tests Pulsed Doppler, Color Flow and M-Mode functions.

Specifications:

- Tests All Brands of Electronic Array Transducers
- Transmit and Receive Transducer: PVDF with a 1-20 MHz Bandwidth
- Transmit and Receive Board within Unit
- Test: B-mode, Pulsed Doppler, Color Flow and M-Mode. Also tests specialty functions like 2nd Harmonic Imaging, Dynamic Focusing, SonoCT™ and other various spatial and temporal compounding algorithms
- LED Indicator: Red/Green
- Single Push Button Operation
- Battery Operated: Two (2) AAA batteries, over 10 hours of continuous use
- Rugged Housing
- Self-Test Indicator
- Operators Instructions



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