

Nox S2

- Internal Photos -

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1 Introduction

1.1 Scope

This document contains internal photos of the Nox S2 product.

1.2 Revision History

Table 1 Revision History

Revision	Description
01	Document created in (2025-009) Verona

2 Internal Photos

The Nox S2 device is comprised of two plastic enclosures, abdomen and thorax unit. The thorax unit includes an electronic module and a coin cell battery. The units are connected via wire to provide a signal path from the abdomen unit to the electronic module in the thorax unit.

Figure 1 shows the enclosures with stamped parts inserted, Figure 2 shows the enclosure with the PCB and coin cell battery installed.



Figure 1 Nox S2 device – enclosure with stamped parts

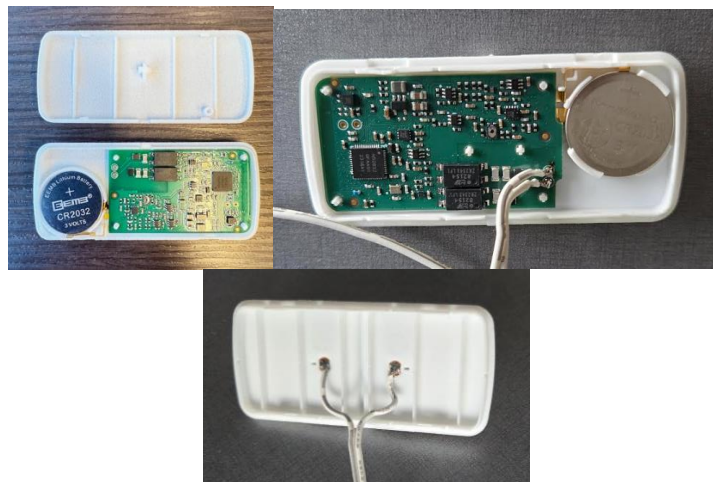


Figure 2 Nox S2 device - Internals

The wire used to connect the abdomen and thorax units is shown in Figure 3. The resistance of the wire is ≤ 0.5 OHM/m.



Figure 3 Nox S2 device - interface wire

The front of the electronic module is shown in Figure 4. The electronic module contains a microprocessor, accelerometer, button, LED and the circuit needed for measurement of respiratory inductance plethysmography (RIP) signals.

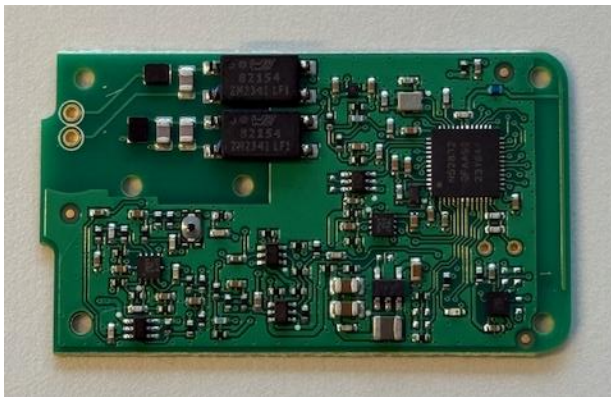


Figure 4 Nox S2 device - PCBA – front

The back of the electronic module is shown in Figure 5, there are several test points used for programming and functional test purposes. Additionally there are bigger test points (TP200, TP202) that provide the RIP interface for the thorax module, interface for the battery terminals (TP106, TP107) and through hole connectors used for soldering the wire from the abdomen unit.



Figure 5 Nox S2 device - PCBA - back

Figure 6 shows the stamped parts for the unit. On the left the RIP snap is shown, the positive terminal for the coin cell battery is in the middle and on the right the negative terminal for the battery.



Figure 6 Nox S2 device - stamped parts
