



NORTEK INSTRUMENTS

Recycling and End-of-Life Disposal

Welcome to a sustainable future with Nortek

For over 20 years, Nortek instruments have delivered reliable performance in oceans and waterways around the world. As we embrace the principles of the circular economy, we invite you to help give these instruments a second life through local recycling.

Why recycle?

Each Nortek instrument contains valuable materials that should be separated and recycled responsibly. At the end of its life, simply disassemble the instrument and sort the components by material. If professional recycling services aren't available, the process is easy to do yourself.

Why local recycling matters

Nortek instruments are used globally, and we encourage users to recycle locally whenever possible. Transporting used equipment back to Nortek often generates more emissions than recycling it on-site. Your local Nortek representative is available to assist if you need guidance.

Easy disassembly for local recycling

Nortek instruments are designed with sustainability in mind and can be easily disassembled and recycled locally in countries with organized waste handling systems. Here's a quick guide:

- **Head (sensors & electronics):** E-waste
- **Plastic housing & endbell:** Plastic recycling
- **Titanium parts:** Metal or titanium recycling
- **Battery:** Battery disposal
- **PCB & electronics:** E-waste
- **Cables & connectors:** E-waste or dedicated recycling (varies by country)

Join us in reducing environmental impact-recycle your instrument responsibly.

See next page for more detailed recycling guidance.



Material guidance

Nortek instruments are built with high-quality materials — and with your help, they can be recycled to reduce environmental impact. Below is a guide to handling and disposing of each material:

METALS

Metal can be easily recycled by sorting it by type and delivering it to a local recycling facility or metal collection point. Cables with precious metals can be stripped of their insulation and professionally processed.

→ Titanium

Most silvery parts are made from titanium—a durable, high-carbon-footprint material. While Nortek strives to use recycled titanium, you can help reduce demand for virgin titanium by recycling locally.

→ Brass and copper

Found in cables, sensor lids, and connector bodies. Recycle separately where possible. If dedicated recycling isn't available, place with general metal recycling.

→ Stainless steel

Not used in housings but may be found in accessories such as shackles or bolts. Recycle as metal.

PLASTICS

Plastics should be sorted by resin type (e.g., PET, HDPE, PP) and sent to facilities where they can be melted and reused or processed for energy recovery.

→ POM (Polyoxymethylene)

This hard plastic is used in the head, body, and endbell. Recycle like other thermoplastics.

HAZARDOUS WASTE

Sort hazardous materials carefully and store them securely before delivering to an authorized hazardous waste collection point. Always follow local guidelines.

Note: Nortek transducers are fully encapsulated in epoxy and do not pose a hazard during normal operation.

→ Transducers

The Nortek transducers consist of several materials. They are usually encapsulated and cannot easily be disassembled into its constituents. The transducers are heavy (high density), have a circular shape and usually a soft-gel like front surface usually in another colour than the body.

If removed from the instrument head, transducers should be treated as hazardous waste.

If still integrated in the head with cables attached, recycle the entire head as electronic waste (E-waste) or as per local guidance.

→ Transducer materials

Epoxy	Epoxy is a thermoset plastic and can be difficult to recycle. It is also used in the grey heads where some transducers are embedded
PZT-ceramics	PZT is lead zirconium titanate and is the active transducer material. It usually comes with silver electrodes. PZT is difficult to recycle.
PVC foam	Brownish foam. Hard to recycle and is part of the transducer.
Stainless steel	Some transducers have a stainless steel insert, see recycling of metals.

BATTERIES

Batteries are usually labeled with their composition and can be returned to battery recycling points in most countries.

ELECTRONICS

Take electronic components to certified E-waste recycling facilities or designated collection points. This helps recover valuable materials and reduces environmental impact.

→ Electronics PCBAs

Remove and recycle as special electronic waste. These contain rare metals, and recycling conserves resources and limits virgin material extraction.

→ Cables, harness and connectors

Typically classified as E-waste and should be taken to a proper recycling point. Professionals can strip the plastic and recover the metals inside, helping reduce waste and reclaim resources.

PACKAGING MATERIAL

Nortek is committed to reducing the carbon footprint of our packaging. While oil-based plastics are still in limited use, we're actively testing sustainable alternatives and increasing use of recycled and renewable materials. Please help by sorting packaging into paper, cardboard, wood, and plastic for recycling. Materials we use:

→ **Reusable hardwood boxes:** Durable, mostly sourced from Eastern European wood

→ **Grey foam inserts:** Up to 65% recycled Stratocell (oil-based)

→ **Pink foam inserts:** Antistatic (oil-based)

→ **Cardboard & paper:** Up to 69% recycled content

→ **Plastic wrapping:** 30–49% recycled content (oil-based)

We also reuse incoming packaging from our suppliers whenever possible and prioritize renewable materials like cardboard, paper crunch, and wood.

Extending the life of materials

Our customers are finding ways to reuse and recycle packaging thoughtfully - contributing to a more sustainable future.



Join others in rethinking waste - send us your photos or ideas at marketing@nortekgroup.com