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Equinox Evo

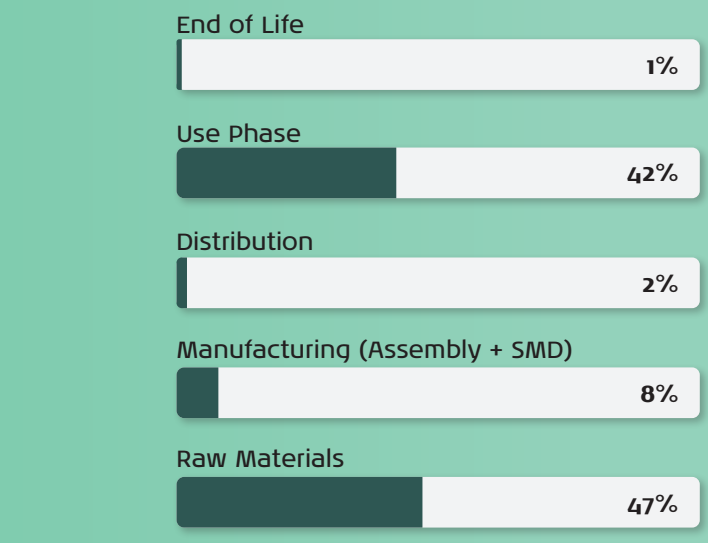
– Clinical Audiometer

224

kg CO_2e
(7-year life)

Life Cycle Assessment (LCA)

ISO 14040/14044 | EF 3.1 | Third-party review
by Rambøll | Project consult: iPoint GmbH



Product lifecycle stages (% of total kg CO_2e)

This Life Cycle Assessment (LCA) quantifies cradle-to-grave environmental impacts for the Equinox Evo Audiometer and Touch Keyboard, following ISO 14040/14044 with EF 3.1 midpoint indicators and climate reported as GWP100. The model covers raw materials, manufacturing at DGS Diagnostics (Poland), distribution to global markets, seven years of use-phase electricity based on sales-weighted grids, and end-of-life with a representative global treatment mix. The study underwent independent third-party review by Rambøll; iPoint GmbH served as project consult for electronics modelling (IC/PCB remote models) and methodological support.

Interacoustics

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Equinox Evo

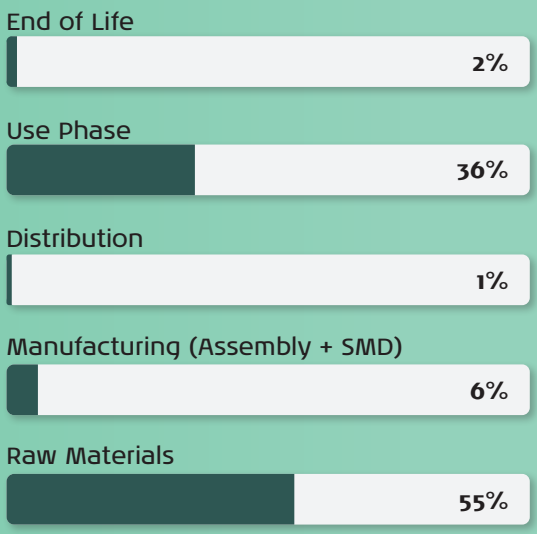
– Touch Keyboard

130

kg CO_2e
(7-year life)

Life Cycle Assessment (LCA)

ISO 14040/14044 | EF 3.1 | Third-party review
by Rambøll | Project consult: iPoint GmbH



Product lifecycle stages (% of total kg CO_2e)

This Life Cycle Assessment (LCA) quantifies cradle-to-grave environmental impacts for the Equinox Evo Base Unit and Touch Keyboard, following ISO 14040/14044 with EF 3.1 midpoint indicators and climate reported as GWP100. The model covers raw materials, manufacturing at DGS Diagnostics (Poland), distribution to global markets, seven years of use-phase electricity based on sales-weighted grids, and end-of-life with a representative global treatment mix. The study underwent independent third-party review by Rambøll; iPoint GmbH served as project consult for electronics modelling (IC/PCB remote models) and methodological support.

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EF 3.1 Midpoint Indicators

Indicator (unit)	Audiometer	Keyboard	Total
Climate change (GWP100) (kg CO_2e)	224	130	354
Ozone depletion (kg CFC-11e)	5.14e-06	2.04e-06	7.18e-06
Human toxicity, carcinogenic (CTUh)	1.52e-07	5.66e-08	2.09e-07
Human toxicity, non-carcinogenic (CTUh)	9.35e-06	5.39e-06	1.47e-05
Particulate matter (disease inc.)	8.33e-06	5.57e-06	1.39e-05
Ionizing radiation, human health (kBq U-235e)	41.76	23.70	65.46
Photochemical ozone formation (kg NMVOCe)	7.56e-01	4.33e-01	1.19
Acidification (mol H+e)	1.97	7.71e-01	2.74
Eutrophication, freshwater (kg Pe)	2.05e-01	9.25e-02	2.98e-01
Eutrophication, marine (kg Ne)	2.42e-01	1.70e-01	4.12e-01
Eutrophication, terrestrial (mol Ne)	2.36	1.35	3.71
Fossil, kg CO_2e	222.17	130.60	352.77
Land use (Pt)	795.38	414.65	1210.04
Resource use, fossils (MJ)	3180.64	1900.22	5080.87
Resource use, minerals & metals (kg Sbe)	2.08e-02	6.53e-03	2.73e-02
Water scarcity (m^3 world-eq)	78.79	44.91	123.70

Environmental Hotspots (GWP100)

- Audiometer – ICs: 39.46 kg CO_2e
- Audiometer – PCBs: 34.96 kg CO_2e
- Keyboard – LCD display: 27.54 kg CO_2e
- Keyboard – PCBs: 12.10 kg CO_2e
- Keyboard – Foam packaging: 8.15 kg CO_2e

Notes: Midpoints per EF 3.1. Hotspots reflect component/process contributions identified in the LCA (ICs, PCBs, LCD, foam).

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