PNT GSS7000

Overview

This ecoprofile provides information relevant to the lifecycle environmental impacts of the PNT GSS7000. It covers physical and environmental properties; power efficiency (input mode); greenhouse gas emissions (use-phase only); materials used; restricted substances and packaging. This data sheet aims to support customers in making informed decisions that minimize environmental harm, using the product efficiently, and end of life disposal.

EcoProfile

Table 1. Physical and Environmental Properties

Approximate Dimensions (HxWxD) (mm)	177 x 235 x 555 mm
Typical Mass (kg)	13.5 kg (27.9 lb)
Operating Environment (°C)	+10 to + 40°C (50 to 104°F) (40–90% RH, non-condensing)
Storage Environment (°C)	-40 to + 60°C (90 to 140°F) (20–90% RH, non-condensing)
Electrical Power (W)	100–240; 9VA max; 50 to 60 Hz

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Table 2. Power Efficiency (Input Mode)

We have provided power consumption data within a typical use case scenario[1] to support customers who wish to optimize product energy management and report on greenhouse gas emissions from their purchased goods and services.

Mode	Power Demand[2]	Clarification
Off	0 W	mains power off
Standby	20 W	mains power on, unit off
Idle	111 W	unit on, no output
Operating	138 W	unit on, scenario running
Power per Channel Bank		
Idle	26.3 W	unit on, no output
Operating	30.8 W	unit on, scenario running

Table 3. Materials Used

We took an eco-design approach in our material selection of the chassis and prioritized recyclability, mass and work output, and energy efficiency. The chart below shows the estimated proportions of the materials within the product.

Material	Percentage by Mass
Aluminum Parts	40.4%
Circuit Boards & Components	34.8%
Steel Parts	3.9%
Brass Parts	1.2%
Cables	7.0%
Cooling	8.0%
Plastic Parts	4.7%

1 Typical use case scenario is configuration two channel banks and 128 channels activated; mains & front panel power/standby button switched on.
2 All values apply to two channel banks fitted.

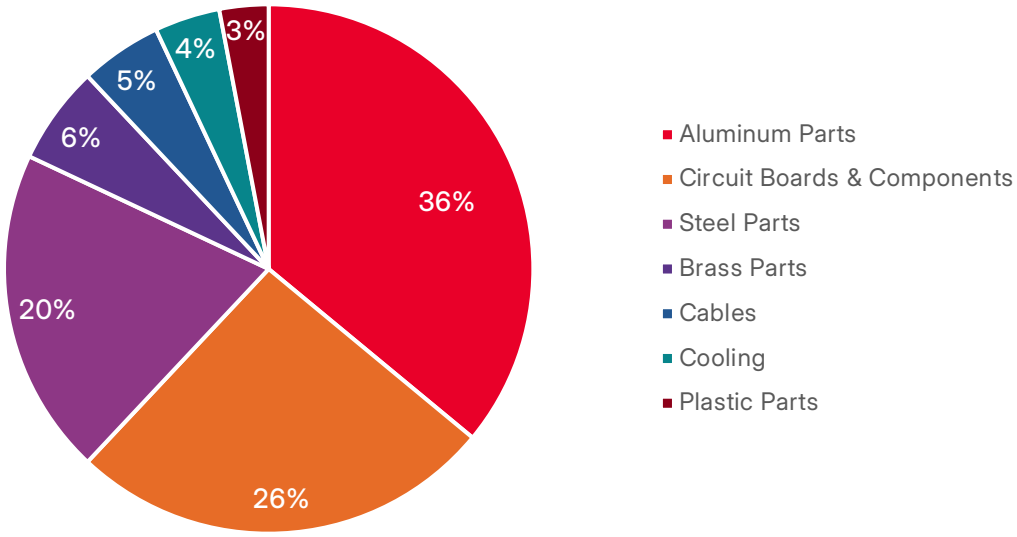

Figure 1. GSS7000 materials used

Table 4. Restricted Substances

This product fully complies with all relevant global regulations including, but not limited to: the European Union's Restriction of Hazardous Substances Directive (RoHS) Directive 2002/95/EC as amended by the RoHS Directive 2015/863; Management Methods on the Prevention and Control of Pollution caused by Electronic Information Products commonly known as "China RoHS"; European Union's Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation 2006/1907/EC; European Union Battery Directive 2006/66/EC; the Waste Electrical and Electronic Equipment Directive (WEEE Directive) is a European Community Directive, numbered 2012/19/EU.

Table 5. Packaging

Packaging is made up of paper, composites, and plastics and is 99.5% recyclable by weight. Paper-based packaging contains an estimated 70% recycled content and is FSC certified. Packaging weight is minimized. Our packaging does not contain hazardous or restricted substances and is fully compliant with the European Union Packaging and Packaging Waste Directive 1994/62/EC, as amended, and CEN packaging standards EN 13427:2005 as well as US Toxics in Packaging legislation.

Sustainability at Keysight

Keysight is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks.

We are working to reduce the lifecycle impacts of our products and the environments they are used in through a range of ways:

- Designing for environment and end of life, including compliance with all legal requirements
- Reducing the size, weight, noise, and power use of our products
- Improving utilization and automation
- Providing in-field servicing and upgrades
- Using formal sustainability metrics in the product development process

For more specific information on how sustainability applies to our products and services, please contact your Keysight representative.

Disclaimer

The data and information provided in this document is based on measurements taken in Keysight laboratories and does not constitute a complete Environmental Product Declaration or Product Life Cycle Assessment.