



Assessment Protocol

Contents	Page
Foreword	1
Assessment Report: Test Results and Grading Scale.....	2
Assessment Report: Evaluation of Test Parameters.....	3
Systematic Weighting of Assessment Parameters.....	4
Visual Representation of Quantitative Factors.....	5
Analysis of Evaluation Areas	
Product-Specific Characteristics.....	6
Usage and Safety.....	7
Customer Perception and Service.....	8

Foreword

Dear Readers,

The present test report documents the applied testing procedures and the resulting evaluation criteria in a systematic and comprehensible manner. The objective of this document is to present the parameters used for assessment and to place their weighting within a methodological context in order to enable an objective evaluation of products.

The underlying testing framework is based on recognized models of product evaluation, which pursue both deductive and inductive approaches to analysis. Specific product features are examined, quantified through practical application, and the obtained data are compared against predefined benchmarks. This methodological foundation rests on the principle that a valid evaluation must take into account both objective parameters and subjective usage impressions in order to approximate real consumer experiences.

The evaluations are therefore derived from the PM procedure, which qualifies itself through the precise assessment of criteria and their relative weighting. This weighting reflects the relevance of individual aspects, based on their influence on market success and consumer acceptance. Reliability, objectivity, and transferability of the collected data to other products and usage environments remain at the center of the analysis.

Another essential component of this report is the explicit recording of interactions between different parameters. These interdependencies are carefully documented, as they provide deeper insights into product performance within specific parameter clusters. This, in turn, allows for a holistic perspective that extends beyond isolated evaluations and highlights the complexity of product assessment.

It should also be noted that the present analysis incorporates practice-oriented tests designed to replicate realistic usage scenarios. The collected data are applied to evaluate both strengths and weaknesses, which are then interpreted within a multidimensional framework to ensure comparability across different product types.

The subsequent analysis thus delivers a detailed breakdown of testing criteria, parameter weightings, and evaluation methodology. This structure ensures that all models and empirical findings are transparently documented.

Yours sincerely,

The Prüfmagazin Team

2 | Assessment Report: Test Results and Grading Scale

Product	0
Brand	0
License Number	2601000745
Category	Electronics

Score Distribution – Evaluation Areas	Total Score	Maximum Score
<i>Product-Specific Characteristics</i>	90	100
<i>Usage and Safety</i>	101	120
<i>Customer Perception and Service</i>	68	80
Total	259	300
Percentage	86%	

Assessment Result	Rating	Overall Grade
	VERY GOOD	1.7

Valid from **2026-01-17**
Valid until **2027-01-17**
Initial certification **2026-01-17**

Grading Scale

Assessment	Score	Grade	Percentage
excellent	100-95	1,0 - 1,2	100 - 95%
very good	94 - 85	1,3 - 1,7	94 - 85%
good	84 - 75	1,8 - 2,4	84 - 75%
satisfactory	74 - 65	2,5 - 3,4	74 - 65%
sufficient	64 - 50	3,5 - 4,4	64 - 50%
insufficient	49 - 0	4,5 - 5,0	49 - 0%



Center for Qualified Purchase Decisions
Authorized by Quality Control Laboratory Management

The conformity of the tested product has been verified and certified in accordance with the assessment standards of the PM procedure.

3 | Assessment Report: Evaluation of Test Parameters

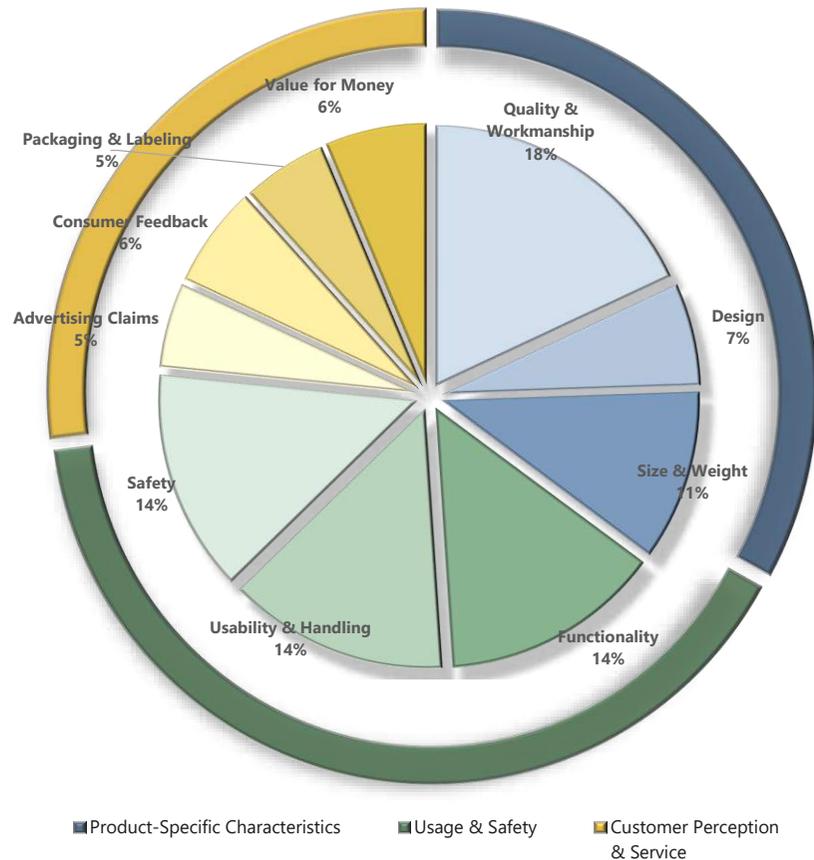
#	Evaluation Area	Definition – Evaluation Area & Test Parameter	Overall Share	Maximum Score	Achieved Score	in %
A	Product-Specific Characteristics	Examines the physical characteristics and craftsmanship of a product. Both material quality and visual design are analyzed.	33%	100	90	90%
1	Quality & Workmanship	This evaluation assesses material quality and workmanship regarding robustness and precision. Focus lies on seams, processing, and surfaces to determine durability and manufacturing accuracy.	17%	50	46	92%
2	Design	Optical properties include color stability, shape, and overall design. Consistency, workmanship, signal effect, creative design, and visual harmony with intended use are reviewed.	7%	20	17	85%
3	Size & Weight	Physical dimensions and weight are tested for ergonomic handling and suitability for daily use. Durability and transport safety are examined under defined usage and environmental conditions.	10%	30	27	90%
B	Usage & Safety	How a product performs in everyday use and meets required safety standards. Ease of use is considered as much as risk minimization.	40%	120	101	84%
4	Functionality	The test examines reliable functionality in terms of performance, durability, and consistency. It evaluates whether expected results are achieved and ensures safe, fault-free operation without quality loss.	13%	40	35	88%
5	Usability & Handling	Usability and practical purpose are assessed. Intuitive handling, suitability for typical applications, user experience, and clarity of operation are analyzed.	13%	40	32	80%
6	Safety	Testing occurs under normal and extreme conditions. Compliance with relevant standards, risk awareness, and reduction of hazards during use are key criteria.	13%	40	34	85%
C	Customer Perception & Service	Customer orientation and the perceived value of a product. Focus is on how production quality aligns with customer expectations.	27%	80	68	85%
7	Advertising Claims	Evaluation considers whether the product's features and performance meet real-life expectations. Claimed advantages are compared with measurable outcomes.	5%	15	13	87%
8	Consumer Feedback	Design, scope, and perceived usefulness are reviewed from a consumer viewpoint. Strengths and weaknesses are highlighted based on practical relevance.	7%	20	17	85%
9	Packaging & Labeling	Packaging, labeling, workmanship, and materials are reviewed for quality, clarity, and accuracy. Certification and brand reputation enhance the product's perceived value.	5%	15	13	87%
10	Value for Money	The product's price-performance ratio is assessed. The justification of its price is reviewed through both objective and perceived value.	10%	30	25	83%

Please note:

The evaluation results are based on comprehensive and practice-oriented tests in which products and services are assessed and analyzed using quantifiable measurement outcomes. These are not long-term studies or laboratory experiments but rather application-driven tests reflecting real usage experiences. Our assessments reflect the expertise of our product testers and are established on the basis of well-founded analyses. While we strive to provide objective and fair evaluations, they should not be regarded as a complete assessment of all aspects of a product.

The analyses take into account both subjective impressions and objective facts obtained through the observations of our test experts. Our testing methods have been carefully developed to deliver reliable and transparent outcomes. However, no guarantees are given regarding absolute accuracy or completeness. The reports are based primarily on the manufacturer's information and the tests conducted, which means that the results also relate to the advertised features and functions of the products. The objective is to provide consumers with clear and comprehensible information through a serious and reliable testing process, thereby assisting them in making informed purchasing decisions.

4 | Systematic Weighting of Test Parameters



Evaluation Areas and Scale

The graphical presentation illustrates the percentage weighting of the test parameters defined by the PM Standard for product assessment. This standard establishes clear criteria to examine all relevant aspects in a systematic and objective manner. The parameters are grouped into three principal evaluation areas.

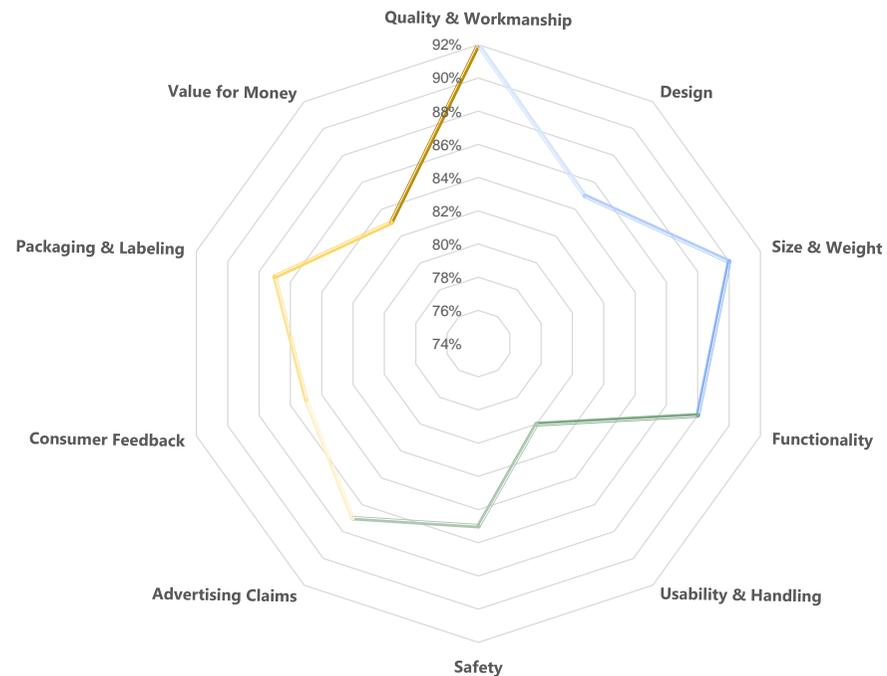
Product-Specific Characteristics include the parameters Quality & Workmanship, Design, as well as Size & Weight. These aspects are particularly significant, as they capture the essential attributes of a product that largely determine both its usability and durability. For this reason, this area accounts for 30% of the overall weighting, with Quality & Workmanship assigned the highest proportion.

The area of **Usage & Safety** covers the parameters Functionality, Usability & Handling, and Safety. These ensure that a product is not only appealing in appearance but also safe and effective in everyday use. With a total weighting of 40%, this area reflects its critical importance: the safety and practical applicability of a product are decisive for consumer acceptance.

Finally, **Customer Perception & Service** encompasses the parameters Advertising Claims, Consumer Feedback, Packaging & Labeling, and Value for Money. These provide an indispensable complement, as they capture the expectations and experiences of consumers and directly influence the overall assessment. The emphasis lies on the consistency between manufacturer claims and actual product performance, as well as on overall customer satisfaction. In total, this area contributes 30% to the final score.

Through the PM Standard, a weighting based on relevance is ensured, combining objective quality criteria with subjective consumer experiences and thereby offering a sound foundation for decision-making.

5 | Visual Representation of Quantitative Factors



The **spider diagram** visualizes the multidimensional assessment of a product based on specific test parameters plotted across defined axes. It provides a comprehensive overview of performance indicators, illustrating their relative importance as weighted by the PM Standard. The extensions of the values on each axis reflect the achieved scores and thereby highlight product strengths and weaknesses. The resulting polygon offers an intuitive overall impression of the distribution of strengths and areas for improvement.

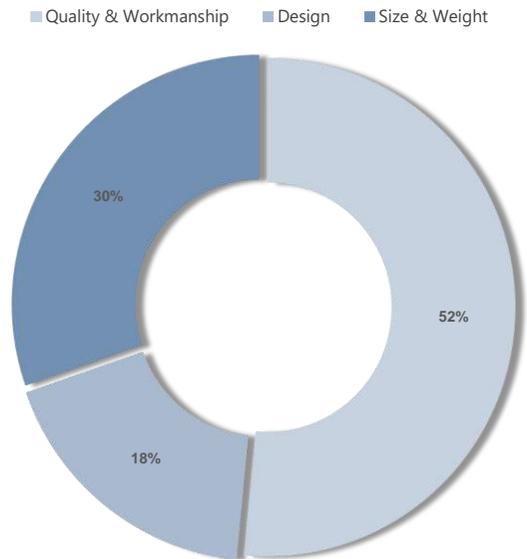
Symmetrical shapes indicate a balanced profile, whereas noticeable deviations point to potential areas for optimization. The diagram thus enables a differentiated evaluation of quality features, allowing for targeted recommendations in strategic product development. By condensing complex evaluation data into a clear format, it delivers valuable insights into product quality and avenues for improvement.

The **spider diagram** does not merely permit direct comparisons between different parameters but also accentuates whether a product demonstrates pronounced strengths or weaknesses. A uniformly filled polygon suggests a well-balanced product, while asymmetries signal weaknesses in particular areas or highlight concrete optimization needs.

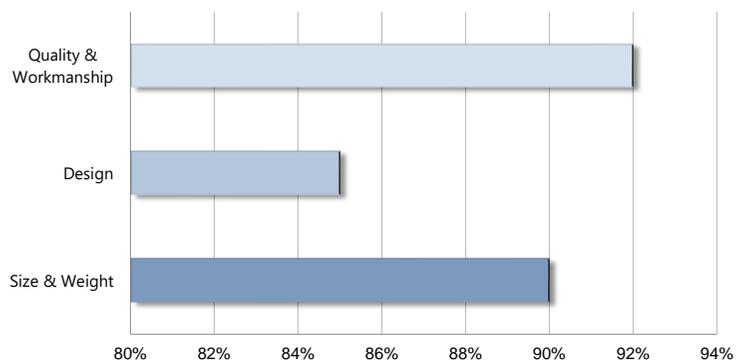
This **visual representation simplifies the analysis** of product performance by making the results instantly accessible. Products with high values across most axes show clear overall strength, while drops in certain areas generate actionable recommendations for improvement. Ultimately, the diagram consolidates findings into a strategic product profile and provides a foundation for informed decisions in product development and market positioning.

6.A | Evaluation Area: Product-Specific Characteristics

Percentage Distribution of the Evaluation Area



Test Results – Evaluation Area as per Test Report



Quality & Workmanship

Strengths

Aluminum alloy provides high mechanical stability and heat dissipation; Ports sit firmly without wobbling; Housing shows no burrs or sharp edges; Gap dimensions uniformly executed; Dual-channel cooling system prevents thermal overload

Weaknesses

Housing reaches approx. 45°C under full load, limited for fanless continuous operation scenarios

Design

Strengths

Satin-matte textured surface conveys high-quality appearance; Compact form factor integrates into professional work environments; LED indicator discreetly integrated; Black coloring harmonizes with common laptop aesthetics

Weaknesses

Cable outlets on both long sides require space in two directions; No color variants for individual preferences

Size & Weight

Strengths

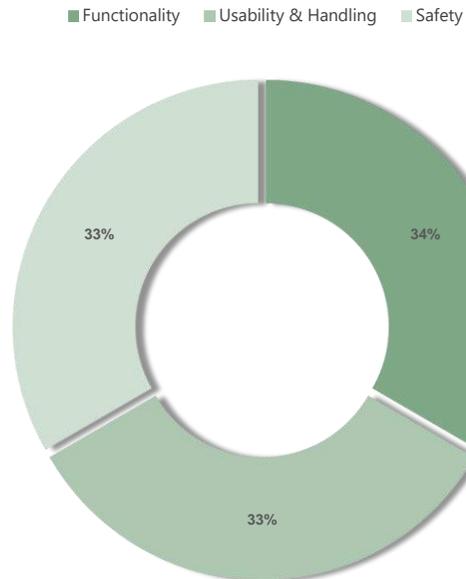
Dimensions 20.83 × 8.38 × 1.78 cm enable space-saving desk integration; Weight 363 g significantly below mid-range standard; 1.2 m USB-C host cable offers sufficient reach; Flat design reduces vertical space requirements

Weaknesses

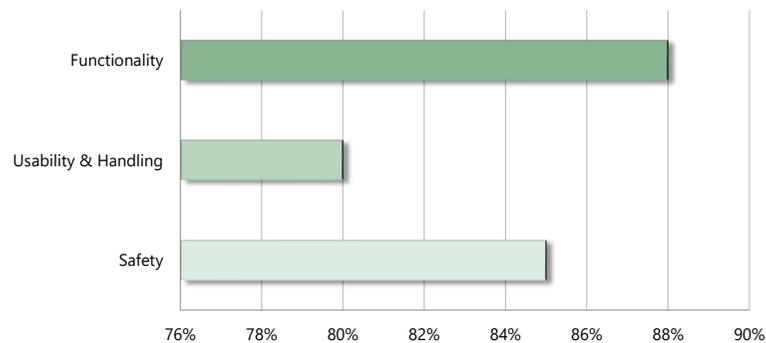
Cable routing on both long sides requires extended horizontal space

6.B | Evaluation Area: Usage & Safety

Percentage Distribution of the Evaluation Area



Test Results – Evaluation Area as per Test Report



Functionality

Strengths

Triple monitor support exceeds mid-range standard (dual display); 4K@120Hz DisplayPort exceeds standard 60Hz by 100%; 10 Gbit/s USB 3.1 enables data transfer of 20 GB in under 10 seconds; Gigabit Ethernet delivers stable 1000 Mbps; SD/TF card reader with 104 MB/s accelerates camera workflows

Weaknesses

macOS restricts triple display to mirror mode, extended desktop only under Windows; Card reader only UHS-I standard, limited for UHS-II media

Usability & Handling

Strengths

Plug & play without driver installation shortens setup time; Power button enables power shutdown without unplugging; Rubber feet with medium adhesion prevent slipping; Compatibility with Windows, macOS, Linux, ChromeOS without configuration effort; Ports on front and rear separate permanent from temporary connections

Weaknesses

Power button only switches dock, not connected laptop; Power adapter with 130 W output reduces mobility due to size and weight

Safety

Strengths

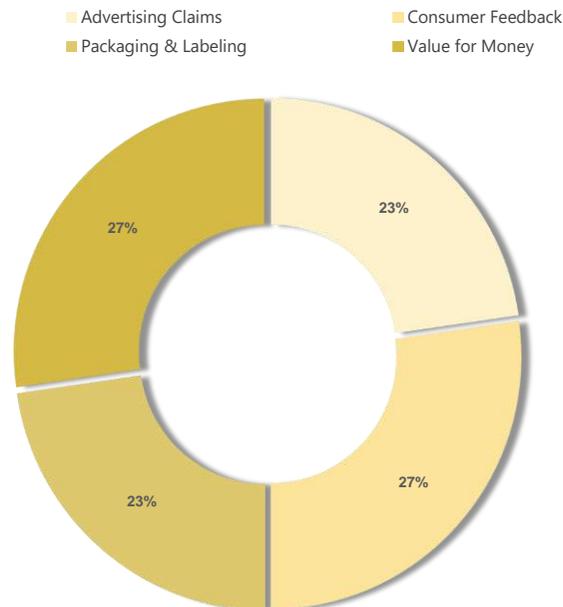
CE marking confirms EU conformity; Kensington slot enables theft protection; No sharp edges or injury risks; DC power plug sits firmly without loose contact; Dual-channel cooling system limits surface temperature to 45°C

Weaknesses

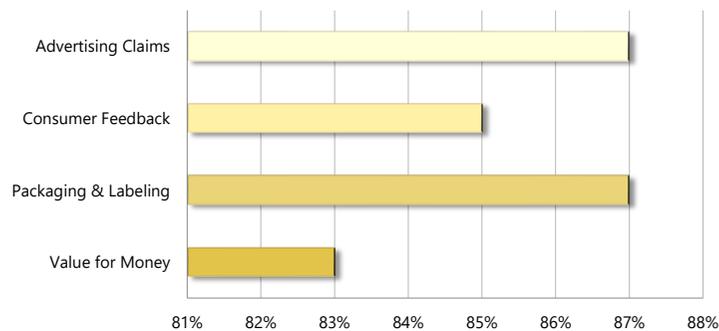
No active overheating shutdown documented

6.C | Evaluation Area: Customer Perception & Service

Percentage Distribution of the Evaluation Area



Test Results – Evaluation Area as per Test Report



Advertising Claims

Strengths

100W charging power with 85W pass-through industry standard (15W dock loss); "Triple 4K display" fully met under Windows; "10 Gbit/s data transfer" verified; "Plug & play" confirmed; "Dual-channel cooling" technically proven

Weaknesses

Single 8K@30Hz requires specific GPU support, limited for older systems

Consumer Feedback

Strengths

Users praise stable multi-monitor connection without flickering (24 mentions); High-quality workmanship of aluminum housing appreciated (19 mentions); Reliable 100W power delivery confirmed (17 mentions); Plug & play installation positively rated (15 mentions); Fast data transfer highlighted (12 mentions)

Weaknesses

Users criticize heat development during continuous operation (11 mentions); Power button does not turn on laptop (5 mentions); DC plug sits loosely (4 mentions, contradicts physical test)

Packaging & Labeling

Strengths

CE marking present; 130W power supply with detachable 220V cable increases flexibility; Instructions with QuickStart Guide; Packaging protects product adequately

Weaknesses

Instructions with limited detail level; No information on material recycling or disposal

Value for Money

Strengths

Price 110-115 EUR in lower mid-range segment market-appropriate; Triple monitor support justifies positioning; 130W power supply included in delivery; Port variety (12-13 ports) exceeds budget segment; Aluminum housing distinguishes from plastic competition

Weaknesses

No Thunderbolt 4 certification at mid-range price; No 2.5 Gbit/s Ethernet despite mid-range positioning