



QuantoLux

AlloyChecker Metal Testing “light”

The new handheld laser-spectrometer for metal identification !



ALLOYCHECKER IS THE LIGHTEST HANDHELD ANALYSER AND WORKS WITHOUT X-RAYS

Handheld metal testing with OES – re-invented !

Imagine you have a testing device that you can take virtually anywhere ...!?! And it is extremely light (1.25kg), too!?

Identify and sort metals in just one second !?

The **AlloyChecker** handheld element analyzer is just such a device. It offers extremely fast, precise identification of metals. It covers all alloying elements in steel, aluminium, or other base metals. The system is designed for quality control, inspections, PMI, and sorting functions at fabricators, especially in automotive, aerospace, and many other industries. Recycling users, metal traders and inspection companies enjoy many of its benefits resulting in a rapid ROI at lowest operational cost.

AlloyChecker incorporates everything you need for a highly portable solution including a battery that covers you a full working day.

The new AlloyChecker – welcome to the future of handheld analysis!



AlloyChecker – the ideal instrument for PMI and sorting in various metal applications !



QA & QC



Recycling & Metal Trading



Inspection & Testing Labs

SOFTWARE

Turning User Interface into User Experience. Operate the instrument like a smartphone, simple and intuitive. Edit or populate your grade library or download grade specs from the cloud. Press the trigger to perform an analysis and see the grade ID in a second. Transfer the collected results to your PC and share with others.

The instrument software allows to add customized calibrations with single and multiple standards.

Setting up wireless network connection (Wifi) allows to transfer results to PC or download libraries into the unit.

The optional Bluetooth thermo printer enables you to document your work directly when on-site! It auto-connects to the instrument and prints on the tap of your finger.

Support

Obtain help and information through local service partners or via web on our user platform. Benefit from M2M communication

and our optional preventative maintenance system.

Learn more about your instrument in our e-learning courses. Ideal to train your operators and new team members.

Update the software automatically with our innovative update concept **QLXUp!**

Gain value with AlloyChecker

With its fast identification capabilities, **AlloyChecker** will quickly add value to your processes. In many applications the return on invest (ROI) is within a couple of weeks.

PRODUCT FEATURES / BENEFITS



AlloyChecker

- Rapid check: with **AlloyChecker** it only takes 1 second to check your metal
- Precision mode with five consecutive readings for improved precision
- Al, Si, Mg, Be, Li and further light elements are available in various calibrations
- Extreme light weight with just 1.25 kg
- No Argon required; no x-rays emitted
- Very low maintenance
- No cross-contamination between measurements
- strong with „tricky“ jobs: thin wires, small pieces, welding rods
- Analyse finished products: the μ -burnspot is almost invisible and can be polished away
- Pre-loaded grades plus further downloadable grade libraries
- Editable custom libraries
- Simple type standardisation



OUR DIGITAL ECO SYSTEM

Welcome to our digital world

All **AlloyChecker** users are welcomed in our online community. Stay informed about new application developments and participate in online and real-life events. With the **QLXUp!** service you automatically benefit from software updates. Our eLearning courses keep your operators always up-to-date.

E-mail and cloud space are available for every registered user and further online services like preventative maintenance and remote support secure uptime and availability and reduce down-time and cost.

The purchasing decision for **AlloyChecker** is just the beginning of your QuantoLux journey !



ALLOYCHECKER

TECHNICAL SPECIFICATIONS



AlloyChecker

Plasma generator

- Q-switched 1064nm laser
- Laser Class 3b
- Controlled Laser energy
- Safety interlock

Optical systems

- Spectral range UV-VIS
- High resolution optics
- CMOS detectors

Controller

- 4" touch screen (320x480px)
- 4 GB storage capacity
- Wifi, Bluetooth interface
- Password protection

Battery

- 14.8V, 3.2Ah, 48Wh
- Re-chargeable Li-ion Battery
- Approx. 6-8h operation
- Incl. Charging station & spare battery

Metal Calibrations

- Fe-base: stainless steels, alloyed steels
- Al-base: 1000-8000 alloys
- Further calibrations are available upon request

Weight

- 1.25 kg (2.75 lbs)

Dimensions

- 227 x 86 x 234 mm
- Protection class IP 54
- adapters for welding rods & tube available for fast handling
- Various languages available
- Grade library

Temperature Range

- 5 to 35°C

Regulatory

- CE, RoHS, Class3b laser

Other products that might be interesting:
portable system QLX1

QLX1 is a portable spectrometer that offers lab performance on-site.

With just around 7 kg of weight, this instrument is truly portable while offering all elements including Carbon, Phosphorus, Sulphur, Nitrogen and many other. Required Argon in spectrometer quality is "on-board" and does not cause high operational expenses. The 77 Wh battery supports you throughout the day and beyond.

Use the most versatile portable metal analysis instrument to elevate your business.

For more details inquire on www.qlx1.de !



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