QuantoLux

QLX1

laboratory performance “to go”

The new laser-OES-spectrometer for all your metal analysis needs !

quantolux.com

QLX1 CLOSES THE GAP BETWEEN HANDHELD ANALYSERS AND MOBILE SPARK SPECTROMETERS

Portable metal analysis with OES – re-invented !

Imagine you have an analyzer with laboratory performance that you can take virtually anywhere …!?

The **QLX1** portable element analyzer is just such a device. It offers extremely fast, precise analysis of metals. It covers all elements including carbon in steel all other relevant elements. The system is designed for quality control, inspections, PMI, and sorting functions at fabricators, especially in automotive, aerospace, and many other industries. Recycling users and metal traders enjoy many of its benefits resulting in a rapid ROI at lowest operational cost.

QLX1 incorporates everything you need for a highly portable solution including Argon supply and a battery that covers you a full working day.

The new QLX1 – welcome to the future of portable analysis !

QLX1 – the ideal instrument for analyses, PMI, and sorting in all 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. Configure the screen, format results and visualise the quality check. Update the grade library from the cloud. Press the start button to perform an analysis or create an automated workflow, setup your users, create reports, or simply share your analytical results with others.

The **QLX 4.0** software can be widely customized for improved work efficiency.

Define Sample IDs, pseudo-elements, data export & reports to match your needs.

The auto-method loader and a workflow editor enforce your processes and secures quality when working at the instrument.

The drift monitor test is done within seconds and ensures proper accuracy of results.

Support
Obtain help and information directly into your system via web. Benefit from M2M communication and our preventative maintenance system.

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

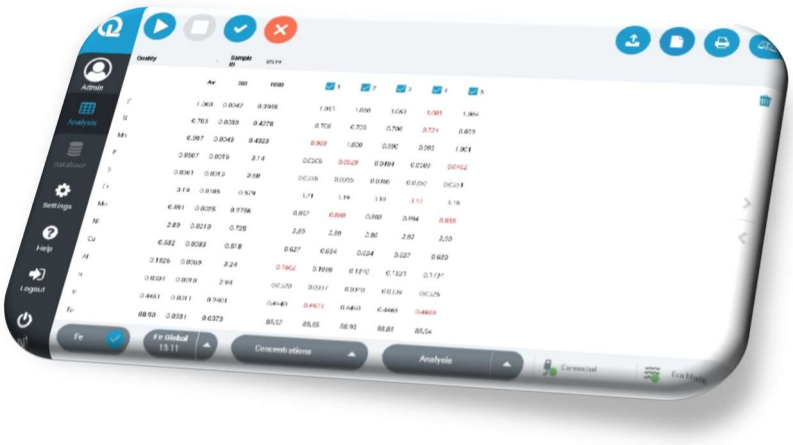
Update the software automatically or simply upgrade your system for new analytical tasks online from the application store.

Add value with QLX 4.0 software
The possibilities are limitless – and so are your benefits. **QLX1** - the spectrometer that adds quality and value to your products, processes and services.

PRODUCT FEATURES / BENEFITS

QLX1

- Rapid analysis: with **QLX1** it only takes 1 to 3 seconds to complete a full-blown analysis
- Full coverage includes all relevant elements; no lock-out elements
- C, P, S, N and further UV elements are available in ferrous calibrations
- Argon-free mode allows certain tasks to be performed without gas
- Maintenance free; no condensate
- No electrode cleaning between measurements
- no electrode, no cross contamination
- strong with „tricky" jobs: thin wires, small pieces, welding seams
- Analyse finished products: the µ-burnspot is only a small dot that can be polished away
- Pre-loaded 2.000+ grades plus further downloadable grade libraries
- The power of a laboratory device now in a portable unit
- Overcomes the limitations of handheld units
- Argon bottle with 40 liters lasts for weeks of testing (option)
- True OES burnspot, no scanning or rastering



OUR DIGITAL ECO SYSTEM

Welcome to our digital world

All **QLX1** are identically configured and truly multi-base capable. All typical metal bases are available with all their alloy calibrations. Changes in analytical configurations can easily be acquired online and are readily available. The **AppUp!** service provides automatic updates whenever QuantoLux publishes improved calibrations. Similarly, also the QLX 4.0 software can be updated.

E-mail and cloud space are included and further online functions complete the instrument and make it more versatile and comfortable to use.
Online services like preventative maintenance and remote support secure uptime and availability and reduce repair time and cost.

QLX1
TECHNICAL SPECIFICATIONS

QLX1

Plasma generator
- Laser Class 3b
- Controlled Laser energy ~1-5 mJ

Optical systems
- Spectral range UV-VIS-NIR
- High resolution optics
- CMOS detectors

Controller
- 12.3" touch screen
- 8 GB RAM, 256 GB SDD
- USB 3.0 interface

Measurement probe
- 1 or 3 mm aperture
- 870 g weight
- 1.5m cable length
- Touch display (option)

Power Supply
- Power inlet for mains
- Re-chargeable Li-ion Battery
- Approx. 8h operation
- 110/230 VAC 60/50 Hz

Metal-base Calibrations
- Fe, Al, Cu
- Ni, Co, Ti, Zn, Mg, Pb, Sn
- include all relevant elements
- include all alloy calibrations

Calibration
- Wavelength calibration
- Empirical master calibrations
- Calibrations can be added any time via web
- Inter-element corrections (m/a)
- Auto background correction
- Background noise subtraction
- Auto-profiling

Weight
- 5.7 kg (12 lbs)

Dimensions
- 360 x 300 x 140 mm
  14.2 x 11.8 x 5.5 inches
- Protection class IP 54
- 6mm Argon Connection
- No adapters needed
- Various languages available
- Grade library

Temperature Range
- 15 to 40°C

Other products that might be interesting:
benchtop system QLX3

QLX3 is a laboratory benchtop spectrometer that offers stunning quality in precision and accuracy.

The high-end system QLX5 further boosts this with a higher resolution optics and an extended spectral range adding further trace elements and gases to the analytical portfolio.
The higher power laser source also allows to run non-metal apps and make QLX5 a widely versatile elemental analyser.

For more details inquire on www.qlx3.de !

Quality made in Germany

All **QLX** models are produced and calibrated in Germany. Decades of expertise in OES make **QuantoLux** a stronghold for all your analytical needs.

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Your local partner: