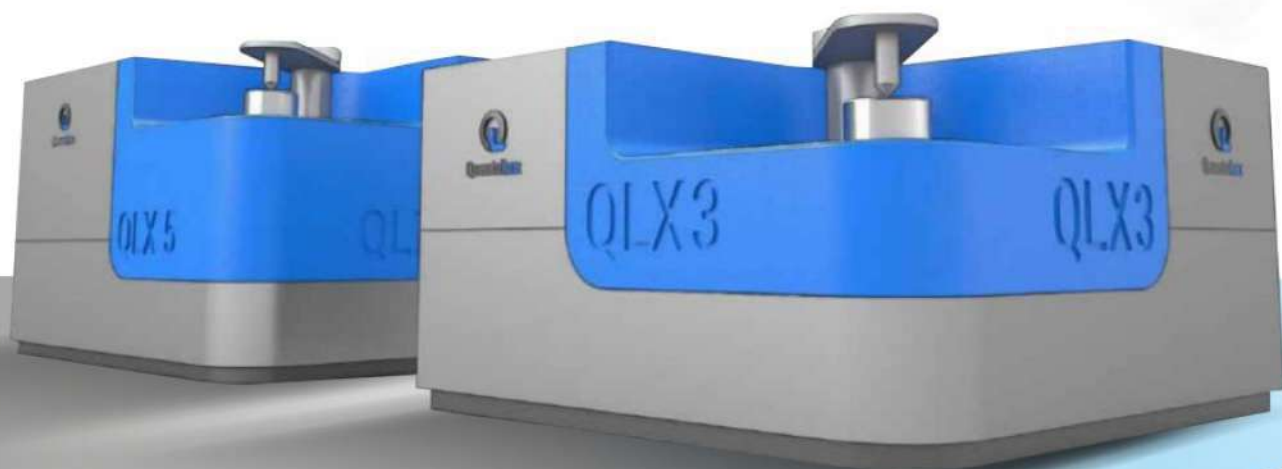




QuantoLux

Elevating
Elemental Analysis
to the next level



DISCOVER THE FUTURE OF MATERIAL ANALYSIS WITH OPTICAL EMISSION SPECTROMETRY



Elemental analysis with OES – re-defined !

The **QLX3** element analyzer offers extremely fast, precise analysis of metals. It covers traces and alloyed concentrations and can handle the most difficult sample shapes with ease. The benchtop unit for laser-OES is designed for metal processing industries, especially in automotive, aerospace, fabricators, and other industries requiring comprehensive testing of their metals, but also for contract labs and applications in recycling.

Laser-OES is almost non-destructive, and with lowest gas consumption and zero-maintenance it features lowest operational expenses.

The new QLX3 – welcome to the future of OES !



Limitless possibilities

All the elements that you need, at the required performance. In a fraction of the time and cost. Does not destroy the sample, the tiny "burn spot" can be polished away. Adapters and extra flushing are not needed. Works excellent also for soft metals like aluminum, tin, lead, and others. Even wires and foils can easily be analysed.

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. **QLX3** - the spectrometer that adds quality and value to your products, processes and services.

PRODUCT FEATURES / BENEFITS



QLX3

- Rapid analysis: with QLX3 it only takes 1 to 3 seconds to complete a full-blown analysis
- Full coverage includes all relevant elements including traces
- Argon-free mode allows certain tasks to be performed without expensive gas
- Maintenance free; no condensate
- No electrode cleaning between measurements
- no electrode, no cross contamination
- Easy analysis of „tricky“ samples: wires even below 1 mm, small pieces, screws, thin sheets, foils
- Analyse finished products: No burnspot; only a small dot that can be polished away
- Ready for non-metal applications
- Online grade libraries & results database (optional)
- Preventative check functions

QLX5

- Covers ultra-UV range to analyse gases in metals like N in steel, or O in copper
- Offers lower detection limits for enhanced trace analysis
- More powerful excitation, beneficial for several non-metal applications
- Access to further online services

Quality made in Germany

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

CONFIGURATIONS

Designed for complex apps

All QLX3 are configured the same and are 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 ensures automatic update whenever factory has improved existing cals.

Special app development is available upon request.



QLX 3 / QLX 5 TECHNICAL SPECIFICATIONS



QLX3

Plasma generator

- Secure Class 1 laser
- Laser energy 1-3 mJ
- No protection requirement)'

Optical systems

- Spectral range UV-VIS-NIR
- High resolution optics
- CCD/CMOS detectors

Controller

- 13" or 22" touch screen
- 8 GB RAM, 256 GB SDD
- USB 3.0 interface

Sample Stage

- 3 mm aperture
- max. 50 kg sample load

available matrix calibrations

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

Weights & Dimensions

- Size 585x585x300 mm (WxDxH)
- Weight approx. 35 kg / 77 lbs

Regulatory

- CE, RoHS, Class 1 laser

QLX5

All QLX3 features plus: Plasma generator

- Laser energy 2-10 mJ

Optical systems

- Spectral range uUV-UV-VIS-NIR
- Ultra-high resolution optics
- CMOS detectors

Further calibrations and application projects:

- Precious metals: Ag, Au, Pt
- Non-metal applications
- slag analysis
- ferro-alloys (binaries)

Other products that might be interesting: hi-performance QLX5

QLX3 offers stunning quality in precision and accuracy. But QLX5 further boost 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 enter into many non-metal applications and makes QLX5 a widely versatile elemental analyser.

QLX1 for mobile use

The latest addition to the QLX family is the portable QLX1. With only 5.7 kg weight and a light 750 g probe head the unit is truly portable and covers applications beyond Handheld XRF or Handheld LIBS.

For more details inquire on www.qlx1.de !



QuantoLux

QuantoLux GmbH
Boschstraße 16
47533 Kleve · Germany

Tel. +49 2821 894 4870
Info@quantolux.de
www.quantolux.de

Your local partner

