SPECTRO AMETEK

SPECTRO**CHECK** LMM02

Stationary Metal Analyzer



The affordable solution for high-performance metal analysis

SPECTRO**CHECK**

High performance and reliability at an attractive price point

The SPECTROCHECK stationary metal analyzer is designed to meet the performance requirements — and budgets — of small foundries, both ferrous and non-ferrous; plus automotive suppliers and other metal fabricators. This high-quality, compact, and affordable instrument is ideal for routine analysis of elemental content in a variety of metal samples such as iron-, aluminum-, or copper-based metals. Organizations using SPECTROCHECK can rest assured that their metals have been reliably tested to meet the most rigorous specifications for content and quality.



NEW PERFORMANCE AND SAVINGS

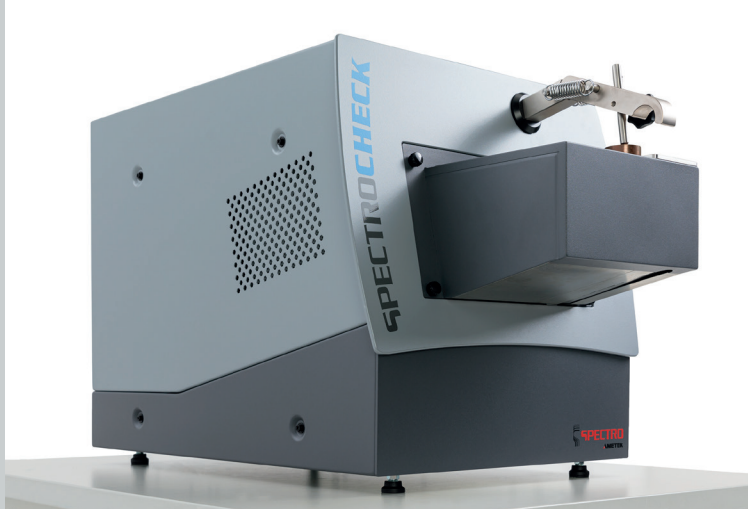
The latest model combines even lower cost of ownership with continued precision, stability, and outstanding analytical performance. Ultra-fast **one-sample standardization** – based on SPECTRO´s Intelligent Calibration Logic (iCAL) – saves an average 30 minutes per day. New **argon-saving features** allow total flow shutoff during downtimes, and 70% less argon consumption during standby. And a redesigned, **space-saving housing** is 35% more compact, and configured with even greater accessibility for easy, safe functionality and maintenance.

SIMPLICITY AND EASE OF USE

All the instrument's features, from its new hardware components to its modular, plug-in functionality and uncomplicated software interface, are thoughtfully engineered for maximum usability. So SPECTROCHECK is simple to run and maintain — even for operators without specialized knowledge.

HIGH VALUE AND LOW COST

Has any metal analyzer ever offered so much performance at so little cost? SPECTROCHECK comes at a surprisingly low purchase price. And its low cost of ownership continues with features such as plug-in functionality, so users pay only for what they need; innovative argon-saving designs; and iCAL logic, which eliminates constant expensive recalibrations. Result: a positively unparalleled price/performance ratio.



SPECTRO**CHECK** advantages



Simplified, self-explanatory software — clear layout, few buttons, no menus

New small-parts adapters for wires less than 1 mm up to 3 mm, plus sheets

Optional PC or space-saving laptop

Digitized, high-precision plasma generator / ignition system — sparks up to 1000 Hz

Exclusive iCAL one-sample, one-time easy standardization system

Spark stand modified for easy use & maintenance of samples up to 33 lb (15 kg)



Proven optical system: performance now optimized with fast, flexible CMOS detectors

New argon block, combined with a cleaning cartridge — configurable flow shutoff, fast startup, & argon savings

Easy, safe access to components from both sides & back

Functional, ergonomic design in 35% smaller housing

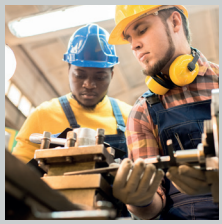
INNOVATIVE OPTICS

SPECTROCHECK takes a no-compromises approach with patented* optical technology. It combines a compact multiplex optics polychromator with selected wavelength image feedback technology (SWIFT). The optical chamber is isolated and temperature-maintained for measurement stability. And new CMOS sensors add flexibility.

Results: precise performance across the entire application-relevant spectral range. SPECTROCHECK is optimized for the elements found in common foundry metals. Thus it minimizes spectral interferences, maintains high stability — and enables better separation of neighboring spectra in line-rich analyses.







SIMPLIFIED SOFTWARE

SPECTROCHECK requires little to no learning curve. An easy-to-use interface delivers an icon-based, menu-free user experience. A unique plug-in approach allows customized functionality. Users can purchase separate software modules for control-standard or type-standard samples, grade identification, etc. — then simply add additional modules as needs evolve. Plug-ins maximize affordability. Users pay only for the configuration(s) they choose.

New argon-saver software works with the new argon block to deliver substantial cuts in argon usage. Users may now access open, license-free method development, plus calibration extensions. The standard grade library has been extended and now includes various iron-, aluminum- and copper-based specifications.

Proven, simple SPECTROCHECK software eliminates days of complicated training. Users get fast, easy startup and intuitive operation.

SPECTROCHECK
Stationary Metal Analyzer



COMPLETE LINE

The high-performance yet affordable SPECTROCHECK takes its place among today's most comprehensive suite of advanced elemental analysis spectrometers. For unsurpassed metal measurement, it joins SPECTRO's flagship SPECTROLAB S, a market leader for ultra-precise analysis; SPECTRO's best-selling SPECTROMAXx stationary metal analyzer; and the powerful, portable SPECTROPORT and mobile SPECTROTEST metal analyzers. Whatever the product, SPECTRO's more than 40 years of experience in elemental analysis — along with its unparalleled record of technical innovation and excellence — ensure the best results in the business.

Outstanding support

AMECARE Performance Services maximize uptime for all the world-class elemental analyzer products and services from SPECTRO Analytical and associated companies. The program is staffed by hundreds of experienced service engineers in 50 countries. They provide high-value, customized support designed to ensure optimum performance plus the longest possible equipment life. Ask about virtual or on-site demos, SPECTRO PROTEKT secure global remote monitoring, proactive performance maintenance, performance upgrades, applications solutions, consultation, targeted training, and ongoing support.

AMECARE PERFORMANCE SERVICES
AMETEK

* Patent no.: DE 11 2014 007 078
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