

ROHS

X-MET[®] for heavy metals

Fast, reliable compliance screening!

ROHS • WEEE • ELV • PB-FREE • HI-REL SYSTEMS • PACKAGING

Prove compliance to industry regulations!

- Provides rapid, non-destructive, point and shoot X-ray fluorescence (XRF) screening of plastics, PWBs, cables, plastic housings, solder material, fasteners, sheet metal and other electronic components
- Conforms to IEC Method 62321 and effectively tests for regulated substances at the compliance levels for all restricted elements
- Tests lead and other heavy metals, such as arsenic, cadmium, mercury in consumer products
- Test High-Reliability Systems for the presence of adequate Pb in solder

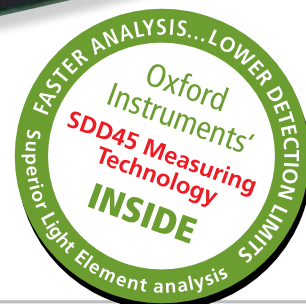


X-MET Bench-Top Stand

- Improved measurement precision
- Lowest detection limits
- Simplified sample positioning and more comfortable operation

Silicon Drift Detector technology improves productivity!

Top of the range **X-MET5100** combines Oxford Instruments' groundbreaking Silicon Drift Detector (SDD) with a powerful 45kV X-ray tube. This cutting edge technology delivers a five times faster measurement speed, much better detection limits and significant accuracy improvement over conventional systems. Isn't it time you used **X-MET** to improve your productivity and screening confidence?



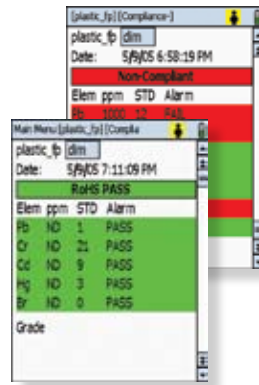
OXFORD
INSTRUMENTS

The Business of Science[®]



Powerful programmable user interface for Compliance testing

- Fast information for reliable Go/No-Go decisions
- User programmable elements, alarm limits and testing criteria
- Option to show only elements of interest or all elements
- High speed averaging – calculate averages of 2 – 50 measurements and save both individual and average results
- Save an unlimited number of results and spectra



Flexibility with choice of analysis modes

- Auto detect mode will identify material type and automatically chooses the correct analysis method:
 - Plastics:** Fundamental Parameter (FP) Calculations for all common heavy elements in plastics including all RoHS elements (Cd, Pb, Hg, Br, Cr), as well as Cl, Ca, Sr, Ni, Sb, As, Se, Ba etc.
 - Metals:** Fundamental Parameter (FP) Calculations for all common heavy elements in metal alloys, all RoHS elements, as well as Fe, Cu, Bi, Zn, Au, Ag, etc.
 - Pb-free solders:** Empirical calibration optimized for lead-free solder analysis
- Customer specific calibrations and optional software package for method development
- Additional calibrations such as alloy or soil analysis can be added



Fast analysis of all sample types

- Components, connectors, PWBs for Cd, Pb, Br, Hg, Cr and other elements
- Solder – incoming bar stock as well as ladle dips and solder balls for Sn, Pb, Cu, Ag, Bi, Cd etc.
- Plastic/ceramic components for Cd, Pb, Br, Hg and Cr
- Detection of PVC plastic, which may indicate presence of phthalates
- Metal parts/fasteners for composition and grade name
- Packaging material for Cd, Pb and Hg
- High-Reliability Systems to ensure the presence of required Pb levels

Easy and reliable

- Short learning curve
- User interface in >10 languages
- Easy data storage and reporting
- PDA based technology for flexibility
- CE, cCSAus certified
- IP54 (NEMA 3) approved. Superior dust and moisture protection

Oxford Instruments Industrial Analysis

For more information please email:
industrial@oxinst.com

UK

High Wycombe
Tel: +44 (0) 1494 442255

China

Shanghai
Tel: +86 21 6132 9688

Finland

Espoo
Tel: +358 9 329 411

Germany

Uedem
Tel: +49 (0) 2825 93 83 -0

Latin America

Tarpon Spring FL
Tel: +1 978 369 9933 Ext. 220

Singapore

Tel: +65 6337 6848

North America

Concord MA
TOLLFREE: +1 800 447 4717
Tel: +1 978 369 9933

visit www.oxford-instruments.com for more information

www.oxford-instruments.com

This publication is the copyright of Oxford Instruments plc and provides outline information only, which (unless agreed by the company in writing) may not be used, applied or reproduced for any purpose or form part of any order or contract or regarded as the representation relating to the products or services concerned. Oxford Instruments' policy is one of continued improvement. The company reserves the right to alter, without notice the specification, design or conditions of supply of any product or service. Oxford Instruments acknowledges all trademarks and registrations. © Oxford Instruments plc, 2009. All rights reserved. Part no: OIIA/063/B/1009



The Business of Science®