

# **Quality, Recycling, Compliance & Warranty Information**

## **Quality, Recycling, Compliance & Warranty Information**

Michell Instruments Ltd takes compliance seriously, and ensures that we comply to all relevant legislation and directives.

- ATEX Directive, IECEX & UKCA
- Calibration Facilities
- Conflict Minerals
- FCC (EMC Requirements for North America)
- Manufacturing Quality
- Pressure Equipment Directive (PED) 2014/68/EU
- REACH Compliance
- Recycling Policy
- RoHS3 Compliance
- Warranty & Returns
- WEEE2 Compliance

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## ATEX Directive, IECEx and UKCA Marking



ATEX is the name commonly given to two EU Directives describing what equipment and work environment is allowed in an environment with an explosive atmosphere. EU Directive 2014/34/EU defines the equipment permitted for use in explosive atmospheres and identifies suitable safety standards that any equipment must comply with.

The IECEx Scheme is identical, in its intent, to the EU ATEX system in defining the equipment permitted for use in explosive atmospheres and uses almost identical safety standards.

Some products within the Michell Instruments Ltd product range are ATEX and IECEx certified. As part of compliance with the ATEX Directive and IECEx Scheme it is the responsibility of the manufacturer to ensure the end user is provided with all the required information to install, operate and maintain the product safely.

If a Michell Instruments Ltd product is ATEX/IECEx certified, reference within the product's manual will provide the specifically required information to the end user in respect of the regulations, requirements and approvals of products that are intended for use in explosive atmospheres.

All Michell Instruments Ltd products that are ATEX/IECEx certified have been independently verified as safe for use. Safety Certificates are made available on the Michell Instruments Ltd website or can be provided upon request.

UKCA product compliance is mandatory for any product sold on the UK Market Place as of 1st January 2023. UK Law cites the UK Statutory Requirements of S.I. 2016 No. 1107 (as amended), as being the primary product compliance for any product used within an explosive atmosphere. For products that are for use in explosive atmospheres a UKCA Ex Certificate is required. This is a separate certificate from an ATEX or IECEx Certificate but covers the exact same safety compliance requirements and ATEX, IECEx & UKCA all utilise the same standards against which to assess a product's compliance.

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## Calibration Facilities



Michell Instruments Ltd's calibration facilities for humidity, %rh (relative humidity) dew-point and temperature are among the most sophisticated in the world and have been recognized for their excellence.

Traceability to the National Physical Laboratory (NPL) UK is achieved through our UKAS Accreditation (Number 0179). This covers dew-point over the range -90°C to +90°C (-130°F to +194°F) and Relative Humidity 10% to 98% over the range +10°C to +90°C temperature.

Our UKAS accreditation certificate can be view on our website and our accreditation validity may be verified and inspected at any time via the most recent issue of the UKAS Schedule of Accreditation, which bears the same accreditation number as the certificate, and is available to view on the UKAS website: [www.ukas.com](http://www.ukas.com).

Dew-point calibrations are also traceable to the National Institute for Standards & Technology (NIST) USA over the range -75°C to +20°C (-103°F to +68°F).

Michell Instruments Ltd's full capabilities for dew-point generation and verification extend from -100°C to +100°C.

**NOTE: Standard traceable calibration certificates for instruments and sensors are not issued under our UKAS accreditation. UKAS certificates are usually to special order and are clearly identified.**

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## Conflict Minerals



"Conflict Minerals" are certain minerals whose mining origins are from the Democratic Republic of Congo or its adjoining countries and cohorts. The list includes columbite-tantalite (also known as coltan, from which tantalum is derived), cassiterite (tin), gold and wolframite (tungsten).

Michell Instruments Ltd takes its responsibilities of upholding the principals "Conflict Minerals" most seriously and, wherever foreseeable, does not knowingly manufacture products that contain conflict minerals sourced from mines in the Democratic Republic of the Congo or its cohorts or surrounds, and avoids using any unapproved mineral smelters.

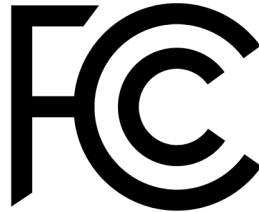
Michell Instruments Ltd uses and maintains the CMRT spreadsheet (Conflict Minerals Reporting Template) and as part of our policy, Michell Instruments Ltd continues to work with our suppliers to ensure that they also understand their responsibilities in undertaking suitable precautions through their own policies and advocated use of the CMRT to eliminate the use of conflict minerals from their tier, and in turn, from the supplier tiers below them.

In the event that Michell Instruments Ltd ever has reason to believe or suspects that it may have been supplied items containing conflict minerals, Michell Instruments Ltd will immediately cease the use and procurement of those items and will notify its customers in writing.

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## FCC (EMC Requirements for North America)



Many of Michell Instrument Ltd's devices comply with part 15 of the FCC Rules, and will include this information in the product manuals. Operation of these devices is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the user manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. This product must be operated as per the operating instructions provided. Do not make any alterations or modifications to the product. Any unauthorized alterations or modifications made to this product may require you to stop operating the product.

### **Canadian Radio Interference Regulations.**

This Class A digital product complies with Canadian ICES-001. Règlement canadien sur les interférences radio. Ce produit numérique de classe A est conforme à la norme NMB-001.

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## Manufacturing Quality



Michell Instruments Ltd is approved by the British Standards Institute (BSI) to operate the Quality Management System BS EN ISO 9001:2015. Our current ISO 9001:2015 certificate may be viewed on our website: [www.michell.com](http://www.michell.com)

Michell Instruments Ltd is further approved for the manufacture of products intended for use in explosive atmospheres. In accordance with the EU ATEX Directive, Michell Instruments Ltd holds a QAN (Quality Assurance Notification), and for the IECEx Scheme, QAR (Quality Assurance Report).

Michell Instruments Ltd is a supplier to the nuclear industry and conforms to the requirement of NQSA (Nuclear Quality Standards Association) NSQ100.

At every stage of production Michell Instruments Ltd ensures that through rigorous process controls the materials of construction, workmanship standards, manufacturing techniques, traceability, calibration, test and final inspection procedures meet all the requirements laid down by our quality system approvals.

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## **Pressure Equipment Directive (PED) 2014/68/EU and UKCA Statutory Instrument (S.I. 2016 No.1105)**

# **PED**

## **2014/68/EU**

The EU P.E. Directive 2014/68/EU and UK Statutory Instrument (S.I. 2016 No.1105) require that all pressurised equipment and assemblies, as described under their scope, must be safe when placed on the market or put into service.

Michell Instruments Ltd assess their products and, as referenced against the conformity assessment tables detailed in Annex II of the EU PED, confirm that each product conforms with the specific requirements stipulated there.

In accordance with the scope of the PED and S.I. 2016 No.1105, certain products are exempt where safety compliance is already covered by compliance with other EU Directives. All Michell Instruments Ltd's products that do require compliance with the PED and S.I. 2016 No.1105 are in accordance with Article 4, paragraph 3 of 2014/68/EU and designed, manufactured & tested to assure safe operation using SEP (Sound Engineering Practice). Products and sample systems & accessories that may be supplied with it do not bear CE and UKCA marking for the Pressure Equipment (Safety) regulations, but are supplied in accordance with Article 4, paragraph 3 of 2014/68/EU by using SEP (sound engineering practice) in the design and manufacture, and are provided with adequate instructions for use.

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## REACH Compliance Declaration

as part of EU Waste Framework Directive 2008/98/EC2 (WFD) and amendment Directive 2018/8511



### **Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)**

Michell Instruments Ltd is a manufacturer of moisture measurement and gas analysis instrumentation, defined as "articles" and a "downstream user" (DU) within the Directive.

The REACH Directive defines an article as: "an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition"

ALL Substances of Very High Concern (SVHC) are contained within the "Candidate List". The "candidate list" can be found on the ECHA website: <http://echa.europa.eu>

The latest update of the Candidate Lists was issued on **January 17th 2022**. This declaration advises compliance with the latest update.

Suppliers of articles containing the listed restricted substances beyond the permitted limits (0.1% W/W or 0.01% W/W, as applicable) must register those articles with the European Chemicals Agency (ECHA).

Michell Instruments Ltd is not a creator, manufacturer or importer of "Substances" as defined within the REACH Directive, and articles or products it produces do not contain or exceed the permitted 0.1% W/W per Article, and/or total usage of 1 ton/year, of the restricted substances. For these reasons, as defined within the Directive, Michell Instruments Ltd is not required to register those articles with the European Chemicals Agency (ECHA) Substances of Concern In (SCIP) database articles established under the Waste Framework Directive (WFD), nor for the creation of material safety data sheets (MSDS) for the articles it creates.

Michell Instruments Ltd endeavours to follow the requirements of the Waste Framework Directive in terms of our complex products and to provide SVHC information at the smallest article level that is practical and technically feasible, to the best of our knowledge as derived from our supply chain operators. This information is transmitted here in good faith and based solely upon the information which our suppliers have provided to us.

Under the normal and reasonably foreseeable circumstances, no articles manufactured by Michell Instruments Ltd contain any SVHC in quantities greater than the permitted 0.1% W/W or 0.01% W/W as applicable per Article.

Michell Instruments Ltd's continued review of the SVHC Candidate List and latest additions to it ensure it remains compliant.

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## Recycling Policy



Michell Instruments Ltd is concerned with the protection of the environment. It is our commitment to reduce and eliminate from our operations, wherever possible, the use of substances which may be harmful to the environment. Similarly, we are increasingly using recyclable and/or recycled material in our business and products wherever it is practical to do so. Michell Instruments Ltd complies with the requirements of the RoHS3 & WEEE Directives (see relevant sections).

To protect natural resources and promote material reuse, please separate batteries from other types of waste and recycle responsibly. If batteries are not properly disposed of, these substances can cause harm to human health and the environment.

The product that you have purchased may contain recyclable and/or recycled parts and we will be happy to provide you with information on these components if required.

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## RoHS Compliance Declaration



### **EU DIRECTIVE 2011/65/EU and 2015/863/EU of the European Parliament and of the Council of 8 June 2011**

The Restriction of Hazardous Substances (RoHS3) Directive 2011/65/EU places rules upon European manufacturers of electrical and electronic equipment. The Directive's aim is to reduce the impact that electrical and electronic equipment has on the environment.

Under the provisions of the RoHS3 EU Directive 2011/65/EU (Article 3, [24]) defines, "Control and Monitoring Equipment" where "*industrial monitoring and control instruments*" means "*monitoring and control instruments designed exclusively for industrial or professional use*".

EU Directive 2015/863/EU, Annex II, states:

*The restriction of DEHP, BBP, DBP and DIBP shall apply to ... monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.*

The careful design and manufacturing policy of Michell Instruments Ltd's products already ensures that the substances specified within the RoHS3 & EU Directives 2015/863/EU do not appear within its products, and, should they do so, are in quantities below the permitted homogeneous limits of 0.1 % W/W or 0.01 % W/W as applicable.

Michell Instruments Ltd confirms that its products are in full compliance with the terms of the RoHS2 EU Directive 2011/65/EU and RoHS3 EU Directive 2015/863/EU.

Michell Instruments Ltd continues to monitor suppliers and material sources to ensure that compliance is maintained.

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## Warranty & Returns

Unless otherwise agreed, we the Supplier warrants that, as from the date of delivery for a period of 12 months, the goods and all their component parts, where applicable, are free from any defects in design, workmanship, construction or materials.

We the Supplier warrants that the services undertaken shall be performed using reasonable skill and care, and be of a quality conforming to generally accepted industry standards and practices.

Except as expressly stated, all warranties whether express or implied, by operation of law or otherwise, are hereby excluded in relation to the goods and services to be provided by the Supplier.

All warranty services are provided on a return to base basis. Any transportation costs for the return of a warranty claim shall reside with the Customer.

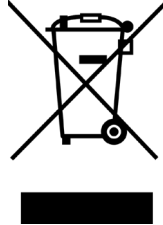
Should a Michell Instruments Ltd product malfunction within the warranty period, the following procedure must be completed:

1. Notify a Michell Instruments Ltd distributor, giving full details of the problem, the model variant and the serial number of the product.
2. If the nature of the problem indicates the need for factory service then the instrument should be returned to Michell Instruments Ltd, carriage prepaid, preferably in the original packaging, with a full description of the fault and the customer contact information.
3. Upon receipt, Michell Instruments Ltd will evaluate the product to determine the cause of the malfunction. Then, one of the following courses of action will be taken:
  - If the fault is covered under the terms of the warranty, the instrument will be repaired at no cost to the owner and returned.
  - If Michell Instruments Ltd determines that the fault is not covered under the terms of the warranty, or if the warranty has expired, an estimate for the cost of the repairs, at standard rates, will be provided. Upon receipt of the owner's approval to proceed, the product will be repaired and returned.

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## WEEE2 Compliance



**DIRECTIVE 2012/19/EU 4 July 2012 on Waste Electrical and Electronic Equipment (WEEE2)**

and

**STATUTORY INSTRUMENT 2013 No. 3113. ENVIRONMENTAL PROTECTION**

**The Waste Electrical and Electronic Equipment Regulations 2013**

The Waste Electronic and Electrical Equipment Directive (WEEE2) places rules upon manufacturers of electrical and electronic equipment intended for sale in the UK and the EU. The Directives' aims are to reduce the impact that electronic devices have on the environment and reduce or eliminate any going to landfill.

Michell Instruments Ltd is in full compliance with the above listed WEEE Directives and is registered with an approved recycler (Registration No. WEE/JB0235YW) and treats the requirement of the Directives and the protection of the environment with the utmost importance.

All Michell Instruments Ltd products are marked with the Wheelie Bin logo indicating their requirement for appropriate recycling and Michell Instruments advocates and urges its customers to take every opportunity to recycle, ethically and responsibly.

Customers may be required to return certain instruments for treatment at the end of their working life.

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