

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 currently a voluntary scheme for products sold on the UK market. UK law cites the UK Statutory Requirements of S.I. 2016 No. 1107 as being the primary product compliance for any product used within an explosive atmosphere. For products that are for use in an explosive atmosphere, a UKCA Ex certificate is required.

Michell Instruments Ltd.

March 2024

Calibration Facilities



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

Traceability to the National Physical Laboratory (NPL) UK is achieved through our UKAS Accreditation (No. 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 found 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.

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

Michell Instruments Ltd 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.

Michell Instruments Ltd.

March 2024

Conflict Minerals Regulation (EU) 2017/821



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 principles of Conflict Minerals most seriously and, wherever foreseeable, does not knowingly manufacture products that contain conflict minerals sourced from mines in the Democratic Republic of 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 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 events 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.

Michell Instruments Ltd.

March 2024

EMC Requirements for North America

FCC



Many of Michell Instruments Ltd 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.

The 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 their 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.

ISED

Many of Michell Instruments Ltd devices comply with Canadian IECS-001 (Class A Industrial Products). Règlement canadien sur les interférences radio. Ce produit numérique de classe A est conforme à la norme NMB-001.

Michell Instruments Ltd.

March 2024

Manufacturing Quality and Environmental Standards



Michell Instruments Ltd are approved by the British Standards Institute (BSI) to operate the Quality Management System ISO 9001:2015. The current certificate may be viewed on our website: [Compliance \(processsensing.com\)](https://processsensing.com/Compliance)

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, a QAR (Quality Assurance Report).

At every state 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.

As of 06.12.23, Michell Instruments Ltd are approved by BSI to operate the Environmental Management System ISO 14001:2015. The current certificate may be viewed on our website: [Compliance \(processsensing.com\)](https://processsensing.com/Compliance)

Michell Instruments Ltd.

March 2024

Directive 2014/68/EU Pressure Equipment Directive (PED)

The Pressure Equipment (Safety) Regulations 2016 (S.I. 2016 No. 1105)

The EU and UK Pressure Equipment legislation 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 of Annex II of the EU PED, confirm that each product conforms with the specific requirements stipulated there.

All Michell Instruments Ltd products that contain Group 1 (flammable) gases AND comply with the ATEX or LVD Directive are exempt from the Pressure Equipment Directive.

Michell Instruments products that contain Group 2 (non-flammable) gases must comply with the Pressure Equipment Directive.

However:

- All Michell Instruments Ltd products have a gas volume less than 1 litre.
- All Michell Instruments Ltd products operate below a maximum pressure of 1,000 bar.
- Michell Instruments Ltd products do not contain piping with a diameter greater than 32mm.
- Michell Instruments Ltd products do not contain pressurised liquids.

Therefore, in accordance with Article 4, Paragraph 3, they shall be designed and manufactured in accordance with sound engineering practice. In addition, the equipment shall be accompanied by adequate instructions for use.

The products supplied shall not bear the CE mark for this specific Directive.

For further information, contact Michell Instruments Ltd.

Michell Instruments Ltd.

March 2024

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 RoHS and 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 Michell Instruments will be happy to provide you with information on these components if required.

Michell Instruments Ltd.

March 2024

Warranty and 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:

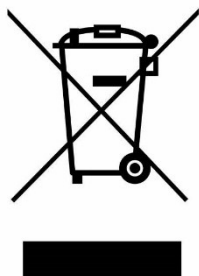
1. Notify a Michell Instruments Ltd distributor, giving full details of the problem, the model variant, and the serial number of the product.
2. If the nature of the problem indicates the need for factory service, then the instrument should be returned to Michell Instruments Ltd, carriage prepaid, preferably in the original packaging, with a full description of the fault and customer contact information.
3. Upon receipt, Michell Instruments Ltd will evaluate the product to determine the cause of the malfunction. Then, one of the follow 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 with be repaired and returned.

Michell Instruments Ltd.

March 2024

Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE)

The Waste Electrical and Electronic Equipment Regulations 2013



The Waste Electrical and Electronic Equipment Directive (WEEE) places rules upon manufacturers of electrical and electronic equipment intended for sale in the UK and EU. The Directive's 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 utmost importance.

All Michell Instruments Ltd products are marked with the Wheelie Bin logo indicating their requirement for appropriate recycling and Michell Instruments advocated 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.

Michell Instruments Ltd.

March 2024