

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 UKAS TESTING 8175 Accredited to ISO/IEC 17025:2017	EUROFINS E&E CML LIMITED	
	Issue No: 014 Issue date: 08 February 2024	
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Testing performed at the above address only		

DETAIL OF ACCREDITATION

Flexible Scope

The Flexible Scope applies to the laboratory's accreditation to ISO/IEC17025:2017 for testing activities in accordance with the standards listed in this schedule. This may also include tests on the same or similar product types against standards, or customer-specified methods, that are not specifically listed in this Schedule, providing that:

1. The method or standard does not introduce new principles of measurement.
2. The method or standard does not require measurements to be made outside the parametric boundaries defined in this Schedule.

Information about flexible scopes of accreditation is available in UKAS document LAB39



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Electrical Apparatus, Systems, Components, Accessories and Enclosures for use in potentially Explosive Atmospheres	<u>ELECTRICAL PRODUCT TESTS</u>	
Industrial Trucks	Construction, safety and marking	EN 1755:2000 EN 1755:2015
Automatic nozzles for fuel dispensers	Construction, safety and marking	EN 13012:2001
Overfill prevention devices for static tanks for liquid petroleum fuels	Construction, safety and marking	EN 13616:2004
Metering pumps, dispensers and remote pumping units	Construction, safety and marking	EN 13617-1:2012 EN 13617-1:2004
Safe breaks for use on metering pumps and dispensers	Construction, safety and marking	EN 13617-2:2012 EN 13617-2:2004
Shear valves	Construction, safety and marking	EN 13617-3:2012 EN 13617-3:2004
Swivels for use on metering pumps and dispensers	Construction, safety and marking	EN 13617-4:2004
LPG filling systems for light and heavy duty vehicles, nozzle, test requirements and dimensions	Construction, safety and marking	EN 13760:2003
LPG equipment for automotive filling stations. Dispensers	Construction, safety and marking	EN 14678-1:2006
Protection of fans working in potentially explosive atmospheres	Construction, safety and marking	EN 14986:2007 EN 14986:2017



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<p>Electrical Apparatus, Systems, Components, Accessories and Enclosures for use in potentially Explosive Atmospheres (cont'd)</p> <p>Electrostatic hand-held spraying equipment</p>	<p><u>ELECTRICAL PRODUCT TESTS</u> (cont'd)</p> <p>Construction, safety and marking</p>	<p>EN 50050:2006 EN 50050:2001 EN 50050-1:2013 Excluding tests to annex A</p>
<p>Stationary electrostatic application equipment for ignitable liquid coating material – safety requirements</p>	<p>Construction, safety and marking</p>	<p>EN 50176:2009</p>
<p>Stationary electrostatic application equipment for ignitable coating powders – safety requirements</p>	<p>Construction, safety and marking</p>	<p>EN 50177:2009 EN 50050-2:2013 Excluding tests to annex A</p>
<p>Stationary electrostatic application equipment for ignitable flock material – safety requirements</p>	<p>Construction, safety and marking</p>	<p>EN 50223:2010</p>
<p>Group 1 Category M1 Equipment</p>	<p>Construction, safety and marking</p>	<p>EN 50303:2000</p>
<p>Electrical apparatus for potentially explosive atmospheres using the following protection concepts:</p> <p>General requirements</p>	<p>Construction, safety and marking</p> <p>Including temperature testing from -60°C to +200°C and humidity up to 95°C, 95% rh</p>	<p>EN 60079-0:2012 EN 60079-0:2017 EN 62444:2013 IEC 60079-0:2011 IEC 60079-0:2017 IEC 60079-0:2007 (Withdrawn) IEC 60068-2-1:2007 IEC 60068-2-2:2007 IEC 62444:2010 BS EN IEC 60068-2-30:2005 BS EN IEC 60068-2-78:2013 GB/T2423.4-2008EN</p>



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Electrical Apparatus, Systems, Components, Accessories and Enclosures for use in potentially Explosive Atmospheres (cont'd) Flameproof enclosures "d"	<u>ELECTRICAL PRODUCT TESTS</u> (cont'd) Construction, safety and marking	EN 60079-1:2007 EN 60079-1:2014 IEC 60079-1:2007 IEC 60079-1:2014/COR1:2018 EN 60079-1:2003 (Withdrawn) IEC 60079-1:2003 (Withdrawn)
Pressurised apparatus "p"	Construction, safety and marking	EN 60079-2:2014 EN 60079-2:2007 IEC 60079-2:2014 IEC 60079-2:2007 (Withdrawn)
Powder filling "q"	Construction, safety and marking	EN 60079-5:2007 EN 60079-5:2015 IEC 60079-5:2007 IEC 60079-5:2015
Oil immersion "o"	Construction, safety and marking	EN 60079-6:2007 EN 60079-6 2015 IEC 60079-6:2007
Increased safety "e"	Construction, safety and marking	EN 60079-7:2007 EN 60079-7:2015 IEC 60079-7:2006 IEC 60079-7:2015+AMD1:2017
Intrinsic safety "I"	Construction, safety and marking	EN 60079-11:2012 IEC 60079-11:2011
Pressurised rooms	Construction, safety and marking	IEC 60079-13:2010 IEC 60079-13:2017 EN 50381:2004 EN 50381:2004/AC:2005



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Electrical Apparatus, Systems, Components, Accessories and Enclosures for use in potentially Explosive Atmospheres (cont'd) Type of protection "n"	<u>ELECTRICAL PRODUCT TESTS</u> (cont'd) Construction, safety and marking	EN 60079-15:2010 IEC 60079-15:2010 IEC 60079-15:2017
Encapsulation "m"	Construction, safety and marking	EN 60079-18:2014 EN 60079-18:2015 EN 60079-18:2009 IEC 60079-18:2014 IEC60079-18:2014+AMD1:2017 IEC 60079-18:2009 (Withdrawn)
Intrinsically safe electrical systems	Construction, safety and marking	EN 60079-25:2010 IEC 60079-25:2010
Equipment Group II Category IG/Zone 0	Construction, safety and marking	EN 60079-26:2007 EN 60079-26:2015 IEC 60079-26:2015 IEC 60079-26:2006 (Withdrawn)
Electrical apparatus for explosive gas atmospheres. Fieldbus intrinsically safe concept (FISCO) and fieldbus non-incendive concept (FNICO)	Construction, safety and marking	IEC 60079-27:2008
Protection of equipment and transmission systems using Optical Radiation	Construction, safety and marking	EN 60079-28:2007 EN 60079-28:2015 IEC 60079-28:2006 IEC 60079-28:2015
Electrical resistance trace heating	Construction, safety and marking	EN 60079-30-1:2007 IEC 60079-30-1:2007 IEC IEEE 60079-30-1: 2015 Edition 1



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<p>Electrical Apparatus, Systems, Components, Accessories and Enclosures for use in potentially Explosive Atmospheres (cont'd)</p> <p>Protection by enclosure "tD"</p>	<p><u>ELECTRICAL PRODUCT TESTS</u> (cont'd)</p> <p>Construction, safety and marking</p>	<p>EN 60079-31:2009 EN 60079-31:2014 IEC 60079-31:2008 IEC 60079-31:2013</p>
<p>Caplights for use in mines susceptible to firedamp</p>	<p>Construction, safety and marking</p>	<p>EN 60079-35-1:2011 EN 60079-35-2:2011 IEC 60079-35-1:2011 IEC 60079-35-2:2011</p>
<p>Electrical apparatus for use in the presence of combustible dust: Type of protection 'pD'</p>	<p>Construction, safety and marking</p>	<p>EN 61241-4:2006 IEC 61241-4:2001</p>
<p>Electrical resistance trace heating systems for industrial and commercial applications</p>	<p>Construction, safety and marking</p>	<p>EN 62395:2006 IEEE 515:2011</p>
<p>Cable glands for electrical installations</p>	<p>Construction, safety and marking</p>	<p>IEC 62444:2010</p>
<p>Explosive atmospheres - Part 39 Intrinsically safe systems with electronically controlled spark duration limitation</p>	<p>Construction, safety and marking</p>	<p>IEC 60079-39: 2015</p>
<p>Explosive atmospheres - Part 40: Requirements for process sealing between flammable process fluids</p>	<p>Construction, safety and marking</p>	<p>IEC TS 60079-40: 2015</p>



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Non-electrical equipment for potentially explosive atmospheres: General Requirements	<u>NON-ELECTRICAL PRODUCT TESTS</u> Construction, safety and marking	EN 13463-1:2009 EN ISO IEC 80079-38:2016
Protection by flow restricting enclosures "f"	Construction, safety and marking	EN 13463-2:2004
Protection by flameproof enclosure "d"	Construction, safety and marking	EN 13463-3:2005
Non Electrical Equipment - Constructional Safety "c"	Construction, safety and marking	EN 13463-5:2011 EN 13463-5:2003
Protection by control of ignition source "b"	Construction, safety and marking	EN 13463-6:2005
Non Electrical Equipment - Liquid Immersion "k"	Construction, safety and marking	EN 13463-8:2003
Explosive atmospheres -Part 36: Non-electrical equipment for explosive atmospheres - Basic method and requirements	Construction, safety and marking	EN ISO 80079-36: 2016 ISO 80079-36: 2016
Explosive atmospheres -Part 37: Non-electrical equipment for explosive atmospheres — Non-electrical type of protection constructional safety "c", control of ignition sources "b", liquid immersion "k"	Construction, safety and marking	EN ISO 80079-37:2016 ISO 80079-37:2016



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Enclosures for Electrical Equipment	<p><u>INGRESS PROTECTION TESTS</u></p> <p><u>Opinions and Interpretations</u></p> <p>IP5X Dust Protected Excluding: Objects greater than 1420mm dia x 2200mm Max weight: 300 kg</p> <p>IP6X Dust Tight Excluding: Objects greater than 1420mm dia x 2200mm Max weight: 300 kg</p> <p>IPX3 Protected against spraying water</p> <p>IPX4 Protected against splashing water</p> <p>IPX5 Protected against water jets</p> <p>IPX6 Protected against heavy seas</p> <p>IPX7 Protected against the effects of immersion Excluding: Objects greater than 590 dia x 700mm</p> <p><u>Opinions and Interpretations</u> (cont'd)</p> <p>IPX8</p> <p>Excluding depth greater than 4000m</p> <p>IPX9</p>	IEC 60529:1989+A2:2013
	IEC 60529:1989+A2:2013	

Where IEC or EN standards have exact equivalents in BS, or BS EN those BS or BS EN Standards, are also included in the accreditation.

END