


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 8613 Accredited to ISO/IEC 17025:2005	Ex Veritas Limited	
	Issue No: 008	Issue date: 24 September 2018
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Testing performed at the above address only		

DETAIL OF ACCREDITATION

Flexible Scope

The laboratory is accredited to ISO/IEC17025:2005 for testing activities in accordance with the standards included on 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 testing / measurement.
- (2) The method or standard does not require testing / measurements to be made outside the parametric boundaries defined within the standard specifications already accredited and detailed within this Schedule of Accreditation.

Information about flexible scopes of accreditation is available on the UKAS website.



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used*
SECTION 1 ELECTRICAL PRODUCT TESTS		
Electrical Apparatus, Systems, Components, Accessories and Enclosures for use in potentially Explosive Atmospheres		
Electrical apparatus for explosive gas atmospheres General requirements	Construction, safety and marking Thermal Stability min temp - 50 °C max temp 450 °C Max enclosure size for Thermal Stability test 100 x 900 x 900 mm	IEC 60079-0:2017 EN 60079-0:2018 IEC 60079-0:2011 EN 60079-0:2012/A11:2013 IEC 60079-0:2007 (withdrawn) Excluding: Resistance to light
Tests for Apparatus in Flameproof Enclosures (Exd)	Construction, safety and marking Clause 15.1.2/15.1.3 min temp 50 °C Clause 15.2 max temp 450 °C	IEC 60079-1:2014 (Ed 7) IEC 60079-1:2007 (withdrawn)
Tests for Pressurised and Purged Apparatus (Exp)	Construction, safety and marking	IEC 60079-2:2014 (Ed 6) IEC 60079-2:2007 (withdrawn)
Tests for Sand Filled Apparatus (Exq)	Construction, safety and marking	IEC 60079-5:2015 IEC 60079-5:2007 (withdrawn)
Tests for Oil Immersed Apparatus (Exo)	Construction, safety and marking	IEC 60079-6:2015 IEC 60079-6:2007 (withdrawn)
Tests for Increased Safety Apparatus (Exe)	Construction, safety and marking	IEC 60079-7:2015 Excluding: Thermal performance testing of electrical machines
Tests for Intrinsically Safe Apparatus, Associated Apparatus and Systems (Exi)	Construction, safety and marking	IEC 60079-11:2011
Tests for Electrical Apparatus for Explosive Atmospheres. Construction and use of rooms or buildings protected by pressurization	Construction, safety and marking	IEC 60079-13:2010



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Tests for Electrical Apparatus for Explosive Atmospheres with Type of Protection n (Exn)	Construction, safety and marking	IEC 60079-15:2010
SECTION 1 ELECTRICAL PRODUCT TESTS (cont'd)		
Tests for Encapsulated Apparatus (Exm)	Construction, safety and marking	IEC 60079-18:2015 IEC 60079-18:2009 (withdrawn)
Intrinsically safe electrical systems	Construction, safety and marking	IEC 60079-25:2010
Special requirements for construction, Test and Marking of Electrical Apparatus of Equipment Group II, Category 1G	Construction, safety and marking	IEC 60079-26:2014 Excluding ; - Clause 4.1.3.2b), vibration stress test.
Group I, Category M1 equipment intended to remain functional in atmospheres endangered by firedamp and/or coal dust	Construction, safety and marking	EN 50303:2000
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	IEC 60079-28:2015 Excluding;- Clause 6, ignition test
Equipment dust ignition protection by enclosure "t"	Construction, safety and marking	IEC 60079-31:2014 IEC 60079-31:2008 (withdrawn)
Electrostatics hazards — Tests	Construction, safety and marking	EN 60079-32-2:2015 IEC 60079-32-2:2015
Equipment protection by special protection "s"	Construction, safety and marking	PD CLC/TR 60079-33:2015
Electrical apparatus for use in the presence of combustible dust: Type of protection 'pD'	Construction, safety and marking	IEC 61241-4:2001 (withdrawn)



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<p>SECTION 2 NON-ELECTRICAL PRODUCT TESTS</p> <p>Non-Electrical Apparatus, Systems, Components, Accessories and Enclosures for use in Potentially Explosive Atmospheres</p> <p>Basic Methods and Requirements</p> <p>Protection by flow restricting enclosure "fr"</p> <p>Protection by flameproof enclosure 'd'</p> <p>Protection by control of ignition source "b"</p> <p>Protection by liquid immersion "k"</p> <p>Non-electrical equipment for use in explosive atmospheres - Non-electrical type of protection constructional safety 'c', control of ignition sources 'b', liquid immersion 'k'</p>	<p>Tests similar to those indicated above for electrical equipment</p> <p>Construction, safety and marking</p> <p>Construction, safety and marking</p> <p>Construction, safety and marking</p> <p>Construction, safety and marking</p> <p>Construction, safety and marking</p> <p>Construction, safety and marking</p>	<p>ISO/IEC 80079-36:2016 EN 13463-1:2009</p> <p>EN 13463-2:2004</p> <p>EN 13463-3:2005</p> <p>EN 13463-6:2005</p> <p>EN 13463-8:2003</p> <p>ISO/IEC 80079-37:2016</p>
<p>SECTION 3 INGRESS PROTECTION TESTS</p> <p>Enclosures for Electrical Equipment</p>	<p>IP1X Protected against solid objects greater than 50 mm diameter</p> <p>IP2X Protected against solid objects greater than 12 mm diameter</p> <p>IP3X Protected against solid objects greater than 2.5 mm diameter</p>	<p>IEC 60529:2013, Amd 2 IEC 60529:2001, Amd 1</p>



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	IP4X Protected against solid objects greater than 1.0 mm diameter IP5X Dust Protected Excluding: Objects greater than 2000 x 1000 x 1000 mm Max weight: 140 kg	
SECTION 3 INGRESS PROTECTION TESTS (cont'd) Enclosures for Electrical Equipment (cont'd)	IP6X Dust Tight Excluding: Objects greater than 2000 x 1000 x 1000 mm Max weight: 140 kg IPX3 Protected against spraying water IPX4 Protected against splashing water IPX5 Protected against water jets IPX6 Protected against heavy seas IPX7 Protected against the effects of immersion Excluding: X7 Objects greater than 1000 x 650 x 850 mm IPX8 Protected against the effects of immersion	
END		

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