



**Schedule of ISO/IEC 17025:2017
Conforming Activities**

CSA Group Testing UK Ltd

FORM Number: 3004 Issue No: 06 Issue date: 4th May 2021

CSA Group Testing UK Limited has been granted flexible scope of accreditation by UKAS for **testing activities** based on the current issue fixed scope (0327) as shown on the UKAS website:

<https://www.ukas.com/find-an-organisation>

Standards shown in **green** have been added by CSA Group Testing UK Limited under Flexible Scope following the requirements listed in UKAS publication GEN 4, EA publication EA-2/15 and CSA Group Testing UK Limited's internal procedures, and therefore are accredited.

All other standards listed match the UKAS Testing (0327) and Calibration (0060) scopes of accreditation

TESTING ACTIVITES (BASED ON UKAS SCHEDULE 0327)

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|--|--|--|
| <p>SECTION 1: Electrical and Non-Electrical Apparatus, Systems, Components, Accessories and Enclosures for use in potentially Explosive Atmospheres</p> <p>Electrical Apparatus for explosive gas atmospheres and explosive dust atmospheres: General requirements,</p> | <p>Electrical Product Tests</p> <p>Construction, safety and marking</p> <p>Thermal Stability min temp – 80°C</p> <p>Max enclosure size for Thermal Stability test 1500 x 1000 x 1000 mm</p> | <p>IEC 60079-0:2017 IEC 60079-0:2011 IEC 60079-0:2007 (withdrawn) IEC 60079-0:2004 (withdrawn) Excluding: Resistance to light on Non-metallic enclosures</p> |
| Tests for Apparatus in Flameproof Enclosures (Exd) | <p>Construction, safety and marking</p> <p>Clause 15.1.2/15.1.3, min temp - 80 °C Clause 15.2, max temp 300 °C</p> | <p>IEC 60079-1:2014 IEC 60079-1:2007 (withdrawn) Excluding: Flammability tests</p> |
| Tests for Pressurised and Purged Apparatus (Exp) | Construction, safety and marking | <p>IEC 60079-2:2014 IEC 60079-2:2007 (withdrawn)</p> |
| Tests for Sand Filled Apparatus (Exq) | Construction, safety and marking | <p>IEC 60079-5:2015 IEC 60079-5:2007 (withdrawn)</p> |
| Tests for Liquid Immersed Apparatus (Exo) | Construction, safety and marking | <p>IEC 60079-6:2015 IEC 60079-6:2007 (withdrawn)</p> |



**Schedule of ISO/IEC 17025:2017
Conforming Activities**

CSA Group Testing UK Ltd

FORM Number: 3004 Issue No: 06 Issue date: 4th May 2021

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|--|---|---|
| Tests for Increased Safety Apparatus (Exe) | Construction, safety and marking | IEC 60079-7:2017 IEC 60079-7:2015 IEC 60079-7:2006 (withdrawn) Excluding: Interturn voltage test as IEC 60044-6 Mechanical shock tests Sulphur dioxide tests Vibration tests Tests for high-voltage machines |
| SECTION 1: Electrical and Non-Electrical Apparatus, Systems, Components, Accessories and Enclosures for use in potentially Explosive Atmospheres (cont'd) | Electrical Product Tests (cont'd) | |
| Tests for Intrinsically Safe Apparatus, Associated Apparatus and Systems (Exi) | Construction, safety and marking | IEC 60079-11:2011 IEC 60079-11:2006 (withdrawn) |
| Tests for Electrical Apparatus for Explosive Atmospheres with Type of Protection n (Exn) | Construction, safety and marking | IEC 60079-15:2017 IEC 60079-15:2010 (withdrawn) IEC 60079-15:2005 (withdrawn) Excluding: Tests for ballasts in circuits with ignitors Mechanical shock for batteries Ignition tests for large high-voltage machines |
| Tests for Encapsulated Apparatus (Exm) | Construction, safety and marking | IEC 60079-18:2017 IEC 60079-18:2014 IEC 60079-18:2009 (withdrawn) |
| Intrinsically safe systems | Construction, safety and markings | IEC 60079-25:2010 IEC 60079-25:2003 (withdrawn) |
| Special requirements for construction, Test and Marking of Electrical Apparatus of Equipment Group II, Category 1G | Construction, safety and markings | IEC 60079-26:2014 IEC 60079-26:2006 (withdrawn) |



**Schedule of ISO/IEC 17025:2017
Conforming Activities**

CSA Group Testing UK Ltd

FORM Number: 3004 Issue No: 06 Issue date: 4th May 2021

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|--|--|---|
| Tests for Fieldbus intrinsically safe concept (FISCO) | Construction, safety and markings | IEC 60079-27:2005 IEC TS 60079-27:2002 (withdrawn) |
| Protection of equipment and transmission systems using optical radiation | Construction, safety and markings | IEC 60079-28:2015 Excluding: Clause 6, Ignition tests |
| SECTION 1: Electrical and Non-Electrical Apparatus, Systems, Components, Accessories and Enclosures for use in potentially Explosive Atmospheres (cont'd) Electrical Trace Heating Tapes | Electrical Product Tests (cont'd) Tests to demonstrate compliance with constructional requirements and prove thermal performance Clause 5.1.7 Min temp - 80 °C | IEC 60079-30-1:2015 IEC 62086-1:2001 (withdrawn) Excluding: Flammability test Verification of rated output (Method b) |
| Equipment dust ignition protection by enclosure "t" | Construction, safety and marking | IEC 60079-31:2013 IEC 60079-31:2008 (withdrawn) |
| Caplights for use in mines susceptible to firedamp | Construction, safety and marking | IEC 60079-35-1:2011 Excluding: Resistance to fire |
| | | |



**Schedule of ISO/IEC 17025:2017
Conforming Activities**

CSA Group Testing UK Ltd

FORM Number: 3004 Issue No: 06 Issue date: 4th May 2021

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|--|---|---|
| Tests for Electrical Apparatus with Protection by Enclosure for use in the presence of Combustible Dusts | Construction, safety and marking Thermal Stability min temp – 80°C Max enclosure size for Thermal Stability test 1500 x 1000 x 1000 mm | IEC 61241-0:2004 (withdrawn) Excluding: Resistance to light Ageing of materials IEC 61241-1-1:1999 (withdrawn) EN 50281-1-1:1998 (withdrawn) Excluding: Clause 6.10 Radiating equipment BS 6467:Part 1:1985 (withdrawn) Excluding: Appendix H.2 |
| Protection by enclosure “tD” | Construction, safety and marking | IEC 61241-1:2004 (withdrawn) |
| Protection by enclosure “pD” | Construction, safety and marking | IEC 61241-4:2001(withdrawn) |
| Protection by enclosure “iD” | Construction, safety and marking | IEC 61241-11:2005 (withdrawn) |
| SECTION 1: Electrical and Non-Electrical Apparatus, Systems, Components, Accessories and Enclosures for use in potentially Explosive Atmospheres (cont'd) | Electrical Product Tests (cont'd) | |
| Protection by enclosure “mD” | Construction, safety and marking | IEC 61241-18:2004(withdrawn) |
| Petrol filling stations | Construction and performance of automatic nozzles for use on fuel dispensers | EN 13012: 2012 Excluding: Clauses B5, B7, B8, B9, B10, B12, B13 |
| Petrol filling stations | Part 1: Safety requirements for construction and performance of metering pumps, dispensers and remote pumping units | EN 13617-1: 2012 Excluding: Stability test |
| | | |



**Schedule of ISO/IEC 17025:2017
Conforming Activities**

CSA Group Testing UK Ltd

FORM Number: 3004 Issue No: 06 Issue date: 4th May 2021

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|---|---|---|
| Petrol filling stations | Part 2: Safety requirements for construction and performance of safe breaks for use on metering pumps and dispensers. | EN 13617-2: 2012 Excluding: Clauses B.7, B.8, B.9, B.10, B.11, B.12, B.13 |
| Petrol filling stations | Part 3: Safety requirements for construction and performance of shear valves. | EN 13617-3: 2012 Excluding : Clauses B.12, B.13 |
| Petrol filling stations | Part 4: Safety requirements for construction and performance of swivels for use on metering pumps and dispensers. | EN 13617-4: 2012 Excluding: Endurance |
| General requirements – Canadian Electrical Code, Part II | Construction, safety and marking | C22.2 No. 0-10 |
| Bonding of electrical equipment | Construction, safety and marking | C22.2 No. 0.4-04 (R 2013) |
| SECTION 1: Electrical and Non-Electrical Apparatus, Systems, Components, Accessories and Enclosures for use in potentially Explosive Atmospheres (cont'd) Explosion-proof enclosures for use in class I hazardous locations | Electrical Product Tests (cont'd) Construction, safety and marking | C22.2 No. 30 – M1986 (R 2012) Excluding: Arc-Rupturing Flammability Gastight Joints – Type Test |
| Enclosures for electrical equipment, non-environmental conditions | Construction, safety and marking | C22.2 No 94.1-07 (R 2012) UL50:2012 Excluding: Crushing resistance tests for both listed standards |
| | | |



**Schedule of ISO/IEC 17025:2017
Conforming Activities**

CSA Group Testing UK Ltd

FORM Number: 3004 Issue No: 06 Issue date: 4th May 2021

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|--|---|---|
| Enclosures for electrical equipment, environmental conditions | Construction, safety and marking | C22.2 No 94.2-07 (R 2012) UL50E:2012 Clauses 8.6, 8.10, 8.11, 8.14 & 8.15 for both listed standards |
| Process Control Equipment | Construction, safety and marking | C22.2 No 142-M1987 (R 2009) Excluding: Overload (Control Devices) Endurance (Control Devices) Flammability of Polymeric Enclosures Flaming Oil (Perforated Panels) |
| Electrical Equipment for Use in Hazardous (Classified) Locations General Requirements | Construction, safety and marking | FM 3600:2018 FM 3600:2011 Excluding: Rubber or neoprene tests |
| Explosionproof Electrical Equipment General Requirements | Construction, safety and marking | FM 3615:2018 FM 3615:2006 Excluding: Flammability tests |
| SECTION 1: Electrical and Non-Electrical Apparatus, Systems, Components, Accessories and Enclosures for use in potentially Explosive Atmospheres (cont'd) | Electrical Product Tests (cont'd) | |
| Dust-Ignitionproof Electrical Equipment General Requirements | Construction, safety and marking | FM 3616:2011 |
| Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations | Construction, safety and marking | UL 1203:2013 Excluding: Clauses 21.5, 21.6, 21.7, 21.8, 21.9, 24, 31, 34, 41, 43.9, 44.9, 45 & 56 |
| | Non-Electrical Product Tests | |



**Schedule of ISO/IEC 17025:2017
Conforming Activities**

CSA Group Testing UK Ltd

FORM Number: 3004 Issue No: 06 Issue date: 4th May 2021

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|---|--|---|
| Non-electrical equipment for explosive atmospheres - Basic method and requirements | Construction, safety and marking | ISO 80079-36:2016 |
| Explosive atmospheres. 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 | ISO 80079-37:2016 |
| Basic Methods and Requirements | Construction, safety and marking | EN 13463-1:2009 (withdrawn) Excluding: Clause 8.3, Flammability Clause 8.4.4, Protective coating Clause 8.5.6, Chemical Substances Appendix D, Charging test |
| Protection by flow restricting enclosure "fr" | Construction, safety and marking | EN 13463-2:2004 |
| Protection by flameproof enclosure 'd' | Construction, safety and marking | EN 13463-3:2005 |
| SECTION 1: Electrical and Non-Electrical Apparatus, Systems, Components, Accessories and Enclosures for use in potentially Explosive Atmospheres (cont'd) Mechanical Cable Glands | Non-Electrical Product Tests (cont'd) <u>DIMENSIONAL TESTS</u> Tests to demonstrate compliance with Constructional Requirements | BS 6121:Part 1:1989 (withdrawn) BS 6121:Part 2:1989 (withdrawn) Excluding: Seal Compression and Hardness Tensile Tests |
| In the above Section 1, where IEC or EN standards have exact equivalents in BS, EN or BS EN, CSA, UL, ISA or UL/ANSI standards, these BS, EN or BS EN CSA, UL, ISA or UL/ANSI standards are also included in the accreditation. | | |



**Schedule of ISO/IEC 17025:2017
Conforming Activities**

CSA Group Testing UK Ltd

FORM Number: 3004 Issue No: 06 Issue date: 4th May 2021

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|--|---|---|
| <p>SECTION 2: INGRESS PROTECTION TESTS</p> <p>Enclosures for Electrical Equipment</p> | <p><u>Ingress Protection Tests</u></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>IP4X Protected against solid objects greater than 1.0 mm diameter</p> <p>IP5X Dust Protected Excluding: Objects greater than 950 x 920 x 860 mm</p> <p>IP6X Dust Tight Excluding: Objects greater than 950 x 920 x 860 mm</p> | <p>IEC 60529:1989 IEC 60529:2001 IEC 60529:2013</p> |
| <p>SECTION 2: INGRESS PROTECTION TESTS (cont'd)</p> <p>Enclosures for Electrical Equipment (cont'd)</p> | <p><u>Ingress Protection Tests (cont'd)</u></p> <p>IPX2 Protected against dripping water when tilted up to 15°</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> | |



**Schedule of ISO/IEC 17025:2017
Conforming Activities**

CSA Group Testing UK Ltd

FORM Number: 3004 Issue No: 06 Issue date: 4th May 2021

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|--|--|--|
| | <p>IPX7 Protected against the effects of immersion Excluding: Objects greater than 1800 x 950 x1300 mm</p> <p>IPX8 Protected against submersion Excluding: Objects greater than Ø 350 x 500 mm</p> | |
| <p>In the above Section 2, where IEC or EN standards have exact equivalents in BS, EN or BS EN, CSA, UL, ISA or UL/ANSI standards, these BS, EN or BS EN CSA, UL, ISA or UL/ANSI standards are also included in the accreditation.</p> | | |
| <p>SECTION 3: GAS DETECTORS</p> <p>ELECTRICAL APPARATUS FOR THE DETECTION AND MEASUREMENT OF FLAMMABLE GASES</p> | <p>Performance Tests</p> | |



Schedule of ISO/IEC 17025:2017 Conforming Activities

CSA Group Testing UK Ltd

FORM Number: 3004 Issue No: 06 Issue date: 4th May 2021



| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|--|---|---|
| Performance requirements of detectors for flammable gases | Performance tests | IEC 60079-29-1:2016 CSA-C22.2 No. 60079-29-1:2017 Excluding: Vibration Electromagnetic compatibility Software function IEC 60079-29-1:2007 (withdrawn) CSA-C22.2 No.60079-29-1:2012 ANSI/ISA-12.13.01:2013 Excluding: Vibration Voltage transients Electromagnetic immunity Software verification CSA-C22.2 No.152-M1984 Excluding: Bounce and vibration ANSI/ISA-12.13.01:2002 Excluding: Air velocity Vibration Voltage transients Electromagnetic compatibility ANSI/ISA-12.13.01:2000 Excluding: Vibration Electromagnetic interference |
| Electrical apparatus for the detection of combustible gases in domestic products | Performance tests | BS EN 50194-1:2009 Excluding: Electromagnetic compatibility Alarm sound level Mechanical strength |
| SECTION 3: GAS DETECTORS (cont'd) ELECTRICAL APPARATUS FOR THE DETECTION AND MEASUREMENT OF OXYGEN | Performance Tests (cont'd) | |



**Schedule of ISO/IEC 17025:2017
Conforming Activities**

CSA Group Testing UK Ltd

FORM Number: 3004 Issue No: 06 Issue date: 4th May 2021

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|---|---|--|
| Test Methods and performance requirements | Performance tests | BS EN 50104:2010 Excluding: Vibration Electromagnetic compatibility Verification of software and digital components EN 50104:2019 Excluding: Vibration Electromagnetic compatibility Software controlled equipment |
| ELECTRICAL APPARATUS USED FOR THE DIRECT DETECTION AND DIRECT CONCENTRATION MEASUREMENT OF TOXIC GASES AND VAPOURS Part 1: General requirements and test methods | For the following types of detector:- Carbon Monoxide, CO Carbon Dioxide, CO ₂ Hydrogen Sulphide, H ₂ S Performance tests | EN 45544-1:2015 Excluding: Vibration Electromagnetic compatibility Verification of software and digital components IEC 62990-1:2019 Cor 1:2019 Excluding: Vibration Electromagnetic compatibility Software controlled equipment |
| Part 2: Performance requirements for apparatus used for exposure measurements | Performance tests | EN 45544-2:2015 Excluding: Vibration Electromagnetic compatibility Verification of software and digital components |
| Part 3: Performance requirements for apparatus used for general gas detection | Performance tests | EN 45544-3:2015 Excluding: Vibration Electromagnetic compatibility Verification of software and digital components |



**Schedule of ISO/IEC 17025:2017
Conforming Activities**

CSA Group Testing UK Ltd

FORM Number: 3004 Issue No: 06 Issue date: 4th May 2021

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|--|---|---|
| | | |
| <p>SECTION 3: GAS DETECTORS (cont'd)</p> <p>Electrical apparatus for the detection of carbon monoxide in domestic premises</p> | <p>Performance Tests (cont'd)</p> <p>Performance tests</p> | <p>BS EN 50291-1:2018 Excluding: Electromagnetic compatibility Alarm sound level Inter-connectable apparatus Apparatus using radio links</p> <p>BS EN 50291-1:2010 Excluding: Electromagnetic compatibility Alarm sound level Mechanical strength</p> |
| <p>In the above Section 3, where IEC or EN standards have exact equivalents in BS, EN or BS EN, CSA, UL, ISA or UL/ANSI standards, these BS, EN or BS EN CSA, UL, ISA or UL/ANSI standards are also included in the accreditation.</p> | | |



**Schedule of ISO/IEC 17025:2017
Conforming Activities**

CSA Group Testing UK Ltd

FORM Number: 3004 Issue No: 06 Issue date: 4th May 2021

CALIBRATION ACTIVITIES (BASED ON UKAS SCHEDULE 0060)

| Measured Quantity Instrument or Gauge | Range | Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty (k = 2) |
|---|--|--|
| GAS ANALYSERS | | |
| Instruments approved by the VOSA on behalf of the Department for Transport for the measurement of vehicle exhaust emissions | As per Vehicle Inspectorate requirements VPB/07/24/20/CAL dated May 1995 (1st revision August 1995) | 1.2 % of reading |
| Instruments approved by the VOSA on behalf of the Department for Transport for the measurement of free acceleration smoke | As per Vehicle Inspectorate requirements MOT/08/19/01 dated October 2001 (3rd revision January 2007) | Smoke Obscuration Coefficient 0.12 m ⁻¹ |
| GAS DETECTORS | 0 % to 100 % Methane in air or Nitrogen | 1.5 % relative + 1.0 ppm |
| | 0 % to 100 % Propane in air or Nitrogen | |
| | 0 % to 100 % Butane in air or Nitrogen | |
| | 0 % to 25 % Oxygen in Nitrogen | |
| | 0 % to 10 % Carbon Monoxide in air or Nitrogen | |
| | 0 % to 20 % Carbon Dioxide in air or Nitrogen | |
| OPTICAL MEASUREMENTS | | |
| Optical Transmission at 565 nm | 7 % to 20 % transmittance | 0.25 % transmittance |
| | >20 % to 100 % transmittance | 0.33 % transmittance |
| Derived Smoke Obscuration Coefficient | 0.4 m ⁻¹ to 3.8 m ⁻¹ (Optical path length 98 mm to 690 mm) | 0.050 m ⁻¹ |
| END | | |



**Schedule of ISO/IEC 17025:2017
Conforming Activities**

CSA Group Testing UK Ltd

FORM Number: 3004 Issue No: 06 Issue date: 4th May 2021