


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>4109</b></p> <p>Accredited to <b>ISO/IEC 17025:2017</b></p>	<h3>Particle Technology Ltd</h3> <p><b>Issue No: 017    Issue date: 21 August 2020</b></p>	
	<p><b>Unit 1</b> Station Yard Industrial Estate Hatton Derbyshire DE65 5DU</p>	<p><b>Contact: Mr G Spicer</b> Tel: +44 (0)1283 520365 Fax: +44 (0)1283 520412 E-Mail: sales@particletechnology.com Website: www.particletechnology.com</p>
<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>General Non-explosive stores and equipment including:-</p> <p>Aerospace Structures, Materials and Equipment Agricultural Equipment</p> <p>Computers and Peripherals Domestic Appliances Electrical/Electronic   Components, Connectors and Products Electro-Mechanical Devices Telecommunications Equipment Large Shipping Cases Loaded Containers Marine Equipment Mining Equipment Missiles, Missile   Sub-Assemblies and Components</p> <p>Motor Vehicle Accessories and Components Office Equipment Packages and Packaging   Material Pressure Vessels Radar Equipment Radio and Television   Equipment Railway Equipments, Trackside and Rolling Stock Safety Appliances and Equipment Satellites and Sub-Assemblies</p>	<p><b>ENVIRONMENTAL TESTS (Non-explosive Items)</b></p> <p><b>DUST and SAND</b></p> <p>Turbulent Dust</p> <p>Max chamber size: 6.0 m x 5.5 m x 4.0 m</p> <p>Driving Dust and Sand Max chamber size (temperature): 3.8 m x 4.0 m x 2.6 m (80 °C) 12.5 m x 6.0 m x 4.0 m (71 °C)</p> <p>Max test section: 300 mm diameter</p> <p>Typical max velocities: 60 m/s with 150 mm duct 30 m/s with 300 mm duct</p> <p>Concentrations: 50 mg/m<sup>3</sup> to 60 g/m<sup>3</sup></p> <p>Dehumidification: &lt; 20 %RH</p>	<p>DEF STAN 00-35:Part 3:Issue 4   Test CL 25 DEF STAN 00-035:Part 3 Issue5   Test CL25 DEF STAN 07-55:Part 2   Section 4-1: Test D1 MIL-STD 810D, Method 510.2 MIL-STD 810E, Method 510.3 MIL-STD 810F, Method 510.4   Procedures I and II MIL-STD 810G:2008, Method 510.5   Procedures I and II MIL-STD-810G:2014, Method 510.6   Procedures I and II RTCA DO-160E Section 12 RTCA DO-160F Section 12 RTCA DO-160G Section 12 EN 2591-308:1998 STANAG 4370 AECTP 300 Ed 3   Method 313</p>



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<p>Continued from Page 1</p> <p>Security Devices and Alarms Shipping Containers and Systems Traffic Signals and Signs, Static and Portable Unit Loads Unitised Loads Weapons and Sub-Assemblies</p> <p>Enclosures/cabinets (all types)</p>	<p><b>ENVIRONMENTAL TESTS (Non-explosive Items)</b> (cont'd)</p> <p><b>INGRESS PROTECTION</b></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</p> <p>IP6X Dust tight</p> <p>IPX4 Protected against splashing water</p> <p>IPX5 Protected against water jets</p> <p>IPX6 Protected against powerful water jets</p> <p>IPX6K Protected against powerful water jets with increased pressure</p> <p>IPX7 Protected against the effects of immersion (up to 1m)</p> <p>IPX8 Protected against the effects of submersion</p>	<p>IEC 60529:2001 + A2:2013 BS EN 60529:1992(2000) ISO 20653:2013 DIN 40050:Part 9:1993</p> <p>Max chamber size for ISO 20653: 1 m x 1 m x 1 m</p> <p>Except 4k for degrees of protection against water to 4, 5, &amp; 6 for ISO 20653 and DIN 40050</p>



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General non-explosive stores and equipment as listed on pages 1 & 2	<p><b>ENVIRONMENTAL TESTS (Non-explosive Items) (cont'd)</b></p> <p><b>CLEANLINESS OF COMPONENTS</b></p> <p>Extraction of contaminants by pressure rinsing</p> <p>Extraction of contaminants by agitation</p> <p>Extraction of contaminants by ultrasonic techniques</p> <p>Particle sizing and counting by microscopic analysis</p> <p>Particle mass determination by gravimetric analysis</p>	<p>In-house method TM101 based on ISO16232:2018 for all types of tests listed for Cleanliness of components</p> <p>In-house method TM16 based on ISO16232-3:2007</p> <p>In-house method TM31 based on ISO16232-2:2007</p> <p>In-house method TM32 based on ISO16232-4:2007</p> <p>In-house method TM17 based on ISO16232-7:2007</p> <p>In-house method TM18 based on ISO16232-6:2007</p>
Air filters for general ventilation	<p><b>FILTRATION PERFORMANCE</b></p> <p>Pressure drop</p> <p>Filter efficiency</p> <p>Dust loading</p> <p>Discharged filter performance</p>	<p>In-house method TM62 based on BS EN 779:2012 and BS EN ISO 16890-2:2016</p> <p>In-house method TM63 based on BS EN 779:2012 and BS EN ISO 16890-2:2016</p> <p>In-house method TM64 based on BS EN 779:2012 and BS EN ISO 16890-3:2016</p> <p>In-house method TM65 based on BS EN 779:2012 and BS EN ISO 16890-4:2016</p>
END		