

# ENVIRONMENTAL TESTING STANDARDS

Quality is at the heart of everything we do – embedded in both our people and our products. We are fully certified to **ISO 9001**, **ISO 14001**, and **ISO 45001** standards, and our products carry a wide range of international approvals, including **UL**, **ETL**, **VDE**, and **E-MARK**. All products also meet **CE** marking requirements. We recognise how vital quality is to our customers and aim to give them complete confidence that, by integrating our products into their solutions, they are **reinforcing their own commitment to excellence and long-term reliability**.

DSE products are tested against a wide range of environmental standards, as outlined below. For the specific standards applicable to each product, please refer to the relevant product datasheet.



## ELECTRO-MAGNETIC COMPATIBILITY

BS EN 61000-6-2 EMC  
Generic Immunity Standard for the Industrial Environment  
BS EN 61000-6-4 EMC  
Generic Emission Standard for the Industrial Environment  
UN/ECE Reg.10 EMC  
Uniform provisions concerning the approval of vehicles with regard to electromagnetic compatibility



## ELECTRICAL SAFETY

BS EN 61010 Electrical Safety  
Safety requirements for electrical equipment for measurement, control and laboratory use  
ISO 16750-2 Starting Profile  
Road Vehicles – Environmental Conditions and testing for Electrical & Electronic Equipment Part 2: Electrical Loads  
ISO 16750-2 Load Dump  
Road Vehicles – Environmental Conditions and testing for Electrical & Electronic Equipment Part 2: Electrical Loads



## UV EXPOSURE

BS EN 60068-2-5 Sb1 & Sb2  
Simulated solar radiation at ground level and guidance for solar radiation testing and weathering.



## SALT SPRAY

BS EN 60068-2-52 Kb Salt Mist Cyclic



## VIBRATION

BS EN 60068-2-6 Sinusoidal Sweeps  
BS EN 60068-2-27 Mechanical Shock  
BS EN 60068-2-64 Random vibration  
ISO 16750-3 Bumps  
Road vehicles – Environmental conditions and testing for electrical and electronic equipment Part 3: Mechanical loads.  
ISO 16750-3 (test VII) Random vibration  
Road vehicles – Environmental conditions and testing for electrical and electronic equipment Part 3: Mechanical loads.



## HUMIDITY

BS EN 60068-2-30 Db Damp Heat Cyclic  
BS EN 60068-2-78 Cab Damp Heat Static



## TEMPERATURE

BS EN 60068-2-1 Ab/Ae Cold Test  
BS EN 60068-2-2 Bb/Be Dry Heat



## INGRESS PROTECTION

IEC 60529 – Degrees of protection provided by enclosures



## CHEMICAL

ISO 1675-5 – Chemical Testing for Electrical and Electronic Equipment - Road Vehicles



CE-Certified



ISO 9001



ISO 14001



ISO 45001



E11-Certified

