

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

