

Environmental Test Results

Product Code: OCR310
 Description: OCR Reader Module for OEMs
 Signed: Adrian Stannard
 Date: 29/06/09

Item	Standard	Test Results
Water Ingression	IP67, IP66	TBC
Vibration	BS EN 60068-2-6:2008 Sinusiodal 10 Hz – 500 Hz 3G 1 octave per minute sweep 6 sweeps total	No effect on unit – fully operational
Vibration	BS EN 60068-2-6:2008 Sinusiodal 500 Hz – 2 kHz 1G 1 octave per minute sweep 6 sweeps total	No effect on unit – fully operational
Shock	BS EN 60068-2-27:1993 500G 2ms half-sine pulse Operational, 3 Shocks Orientation: Unit Upright	No effect on unit – fully operational
Shock	BS EN 60068-2-27:1993 500G 2ms half-sine pulse Operational, 3 Shocks Orientation: Unit face down	No effect on unit – fully operational
Shock	BS EN 60068-2-27:1993 500G 2ms half-sine pulse Operational 3 Shocks Orientation: Cable end up	No effect on unit – fully operational
Shock	BS EN 60068-2-27:1993 500G 2ms half-sine pulse Operational, 3 Shocks Orientation: Cable end down	No effect on unit – fully operational

Item	Standard	Test Results
Shock	BS EN 60068-2-27:1993 500G 2ms half-sine pulse Operational, 3 Shocks Orientation: Right side up	No effect on unit – fully operational
Shock	BS EN 60068-2-27:1993 500G 2ms half-sine pulse Operational, 3 Shocks Orientation: Left Side up	No effect on unit – fully operational
Temperature	BS EN 60068-2-2 50°C Operational	Temperature of 73°C maintained inside unit for 60 minutes (oven at 63°C). Scanner, decoder and interface remained fully functional during bake.
	BS EN 60068-2-2 70°C Storage	Temperature of 77°C maintained inside unit for 300 minutes. After cooling, scanner, decoder and interface were fully functional.
	BS EN 60068-2-1 -30°C Operational	Temperature of -26°C maintained inside unit for 18 hours. Unit fully operational.
	BS EN 60068-2-1 -25°C Storage	Temperature of -25°C maintained inside unit for 60 hours. Unit fully operational afterwards, no damage.

Sign off	Adrian Stannard	23 /07/09
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Creator: AS