



List of main tests possibilities – Validation Laboratory

General Standard	Test name	Test description
Customer specification	Force and Travel measurements	Tensile and compression tests using Force Travel machine
Customer specification	Torque and Angle measurements	Torque vs Angle tests in specified speed using Torque Angle Measurement System
Customer specification	Electrical measurements	Measuring: Voltage DC, Voltage AC, Resistance, DC Current, AC Current using multimeters
ISO 16750-1:2006E		Measuring: Voltage DC, DC Current using power supplies
ISO 16750-2:2012E		Measuring Resistance using miliohmeters
ISO 16750-4:2010E		Measuring Resistance and discharge using Insulation Resistance Meter
ISO 16750-4:2010E	Climate test	Temperature shock tests using Temperature Shock Test Cabinet. Temperature range: from -80°C to 220°C
IEC 60068-2-14:2009		
ISO 16750-4:2010E		Temperature and Humidity tests using Temperature and Humidity Chambers. Temperature range: from -70°C to 180°C
IEC 60068-2-1:2007		
IEC60068-2-2:2007		
IEC60068-2-38:2009		
IEC60068-2-78:2012		
ISO 16750-4:2010E		
IEC 60068-2-14:2009		
ISO 16750-3:2012E		
ISO 16750-4:2010E		
IEC 60068-2-6:2007		
IEC 60068-2-64:2008		
IEC 60068-2-27	Noise tests using Rotational noise servo motor	
IEC 60068-2-29		
Subjective noise evaluation		
Customer specification		
ISO 16750-1:2006E	Temperature and Humidity tests	Temperature and Humidity tests using Thermometers and Thermohydrometers
GM9609P:1991	Appearance and Backlighting	Measuring of luminous and illuminated surfaces using color measuring video photometer
Customer specification	Durability benches	Mechanical endurance life tests (3axis, 1axis & rotation) using Benches developed by MERIT
Customer specification	Continuous monitoring systems	Analog/digital/LIN/CAN signals monitor using PXI Systems developed by MERIT
Customer specification	Functional bench	Analog/digital/LIN/CAN signals monitor using PXI Systems developed by MERIT