

EMC TEST REPORT

No. : AVT/RRT 160129001

Test sample description:

Product name: Hall Sensor

Type/ Model : HS4011, HS4010, HS4012, HS4013, HS4021, HS4022, HS4023, HS4025, HS4026, HS4031, HS4032, HS1001, HS1002, HS1003, HS2001, HS2002, HS2003, HS3001, HS3002, HS3003.

Trade mark (if any) : \

Rating(s): \

Applicant:

SUZHOU SENSTEK MEASUREMENT & CONTROL TECHNOLOGY CO., LTD.

No.15, GongAoRd, ZhangJiaGang BondedArea, JiangSu, China

Manufacturer :

SUZHOU SENSTEK MEASUREMENT & CONTROL TECHNOLOGY CO., LTD.

No.15, GongAoRd, ZhangJiaGang BondedArea, JiangSu, China

Additional information (if necessary)

1. The electrical construction and main component are the same, except for different the port number.
2. The representative test sample is model HS4011.
3. All type tests according to this standard have been conducted on the representative test sample.
4. All tests were passed.

The equipment comply with the requirements according to the following standard(s)

EN55014-1:2006+A1:2009+A2:2011: Electromagnetic compatibility- Requirement for household appliances, electric tools and similar apparatus Part 1: Emission

EN 55014-2:1997+A1:2001+A2:2008: Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity

EN 61000-3-2: 2014: Electromagnetic compatibility(EMC) Part 3-2:Limits Limits for harmonic current emissions(equipment input current up to and including 16A per phase)

EN 61000-3-3: 2013: Electromagnetic compatibility(EMC) Part 3-3: Limits- Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current \leq 16A per phase and not subject to conditional connection

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Test Summary :

Test	Test Requirement	Test Method	Class / Severity	Result
Conducted Emission (150K to 30MHz)	EN 55014-1: 2006+A1:2009	EN 55014-1: 2006+A1:2009	Class B	PASS
Radiated Emission (30MHz to 300MHz)	EN 55014-1: 2006+A1:2009	EN 55014-1: 2006+A1:2009	Class B	PASS
ESD	EN 55014-2	EN 61000-4-2	Contact ± 4 kV Air ± 8 kV	PASS
Radiated Immunity, 80MHz to 1 GHz	EN 55014-2	EN 61000-4-3	3V/m 80%, 1kHz, AM	PASS
Electrical Fast Transients (EFT) on DC	EN 55014-2	EN 61000-4-4	± 2 kV	PASS
Surge Immunity on DC	EN 55014-2	EN 61000-4-5	± 0.5 kV D.M.† ± 0.5 kV C.M.†	PASS
Injected Currents on DC input, 150kHz to 80MHz	EN 55014-2	EN 61000-4-6	3Vrms (emf), 80%, 1kHz Amp. Mod.	PASS
Power-frequency magnetic field	EN 55014-2	EN 61000-4-8	50,60 Hz 3A/m	N/A
Voltage Dips and Interruptions on AC	EN 55014-2	EN 61000-4-11	0 % U_T^* for 250per 40 % U_T^* for 5per 70 % U_T^* for 0.5per	N/A

Its final compliance with the requirements depends on the end-product where it's installed.

Remark:

* U_T is the nominal supply voltage.

† D.M. – Differential Mode.

C.M. – Common Mode.