

Name: Garmin China Yangzhou Co., Ltd. – Quality Laboratory

Address: No.122, Jinshan Road, Economic and Technological Development Zone, Yangzhou, Jiangsu, China

Registration No. CNAS L12914

Accreditation Criteria: ISO/IEC 17025:2017 and relevant requirements of CNAS

Effective Date: 2019-12-18 Expiry Date: 2025-12-17

SCHEDULE 3 ACCREDITED TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
Road Vehicle						
1	vehicles' electronic equipment	1	Low-temperature tests	Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 4: Climatic loads GB/T 28046.4-2011 5.1.1	Accredited only for①Temperature Range: -40°C~0°C ②Maximum size<(0.5x0.75x0.6) m³	2019-12-18
				Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 4: Climatic loads ISO16750-4:2010 5.1.1	Accredited only for①Temperature Range: -	2019-12-18



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					40°C~0°C ②Maximum size < (0.5x0.75x0.6) m³	
				Environmental testing for electric and electronic products-Part 2: Test methods_ Tests A:Cold GB/T 2423.1-2008 5 6	Accredited only for ①Temperature Range: -40°C~0°C ②Maximum size < (0.5x0.75x0.6) m³	2019-12-18
				Environmental testing for electric and electronic products-Part 2: Test methods_ Tests A:Cold IEC 60068-2-1:2007 5 6	Accredited only for ①Temperature Range: -40°C~0°C ②Maximum size < (0.5x0.75x0.6) m³	2019-12-18
		2	High-temperature tests	Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 4: Climatic loads GB/T 28046.4-2011 5.1.2	Accredited only for ①Temperature	2019-12-18

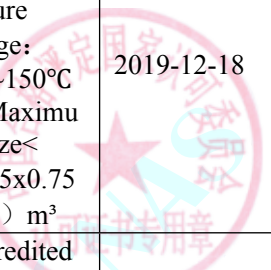


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					Range: 0°C~150°C ②Maximum size< (0.5x0.75 x0.6) m ³	
				Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 4: Climatic loads ISO16750-4:2006 5.1.2	Accredited only for①Temperature Range: 0°C~150°C ②Maximum size< (0.5x0.75 x0.6) m ³	2019-12-18
				Environmental testing for electric and electronic products-Part 2: Test methods_ Tests B:Dry heat GB/T2423.2-2008 5 6	Accredited only for①Temperature Range: 0°C~150°C ②Maximum size< (0.5x0.75 x0.6) m ³	2019-12-18
				Environmental testing for electric and electronic products-Part 2: Test methods_ Tests B:Dry heat IEC 60068-2-2:2007 5 6	Accredited only for①Temp	2019-12-18

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					erature Range: 0°C~150°C ②Maximum size< (0.5x0.75 x0.6) m ³	
		3	Damp heat, steady-state test	Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 4: Climatic loads GB/T 28046.4-2011 5.7	Accredited only for①Temperature range:10°C~85°C②Related Humidity:(10%RH~98%) RH③Maximum size<(0.5x0.75x0.6) m ³	2019-12-18
				Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 4: Climatic loads ISO16750-4:2006 5.7	Accredited only for①Temperature range:10°C~85°C②Related Humidity:(10%RH~98	2019-12-18



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					%) RH③Maximum size< (0.5x0.75 x0.6) m ³	
				Environmental testing for electric and electronic products-Part 2: Test methods_ Tests Cab:Damp heat, steady state GB/T2423.3- 2016 4 5	Accredited only for①Temp erature range:10°C ~85°C②Re lated Humidity:(10%RH~98 %) RH③Maxi mum size< (0.5x0.75 x0.6) m ³	2019-12-18
				Environmental testing for electric and electronic products-Part 2: Test methods_ Tests Cab:Damp heat, steady state IEC 60068-2- 78:2012 4 5	Accredited only for①Temp erature range:10°C ~85°C②Re lated Humidity:(10%RH~98 %) RH③Maxi	2019-12-18



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					mum size< (0.5x0.75 x0.6) m ³	
		4	Humid heat, cyclic test	Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 4: Climatic loads GB/T 28046.4-2011 5.6	Accredited only for①Temp erature range:10°C ~85°C②Re lated Humidity:(10%RH~98 %) RH③Maxi mum size< (0.5x0.75 x0.6) m ³	2019-12-18
				Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 4: Climatic loads ISO16750-4:2010 5.6	Accredited only for①Temp erature range:10°C ~85°C②Re lated Humidity:(10%RH~98 %) RH③Maxi mum size< (0.5x0.75	2019-12-18

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					x0.6) m ³	
				Environmental testing for electric and electronic products-Part 2: Test methods_Tests Db:Damp heat, cyclic(12h+12h) GB/T2423.4-2008 5 7	Accredited only for①Temperature range:10°C~85°C②Related Humidity:(10%RH~98%) RH③Maximum size<(0.5x0.75x0.6) m ³	2019-12-18
				Environmental testing for electric and electronic products-Part 2: Test methods_Tests Db:Damp heat, cyclic(12h+12h) IEC 60068-2-30:2005 5 7	Accredited only for①Temperature range:10°C~85°C②Related Humidity:(10%RH~98%) RH③Maximum size<(0.5x0.75x0.6) m ³	2019-12-18

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				Environmental testing for electric and electronic products-Part 2: Test methods Tests Z/AD:Composite temperature/humidity cyclic test GB/T2423.34-2012 5 6	Accredited only for①Temperature range:10°C~85°C②Related Humidity:(10%RH~98%) RH③Maximum size<(0.5x0.75x0.6) m ³	2019-12-18
				Environmental testing for electric and electronic products-Part 2: Test methods Tests Z/AD:Composite temperature/humidity cyclic test IEC 60068-2-38:2009 5 6	Accredited only for①Temperature range:10°C~85°C②Related Humidity:(10%RH~98%) RH③Maximum size<(0.5x0.75x0.6) m ³	2019-12-18
		5	Temperature change test	Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 4: Climatic loads	Accredited only for:	2019-12-18



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		№	Item/ Parameter			
				GB/T 28046.4-2011 5.2 5.3.1	①Temperature range:-40°C~150 °C②temperature rate: ≤1°C/min ③Maximum size<(0.5x0.75 x0.6) m³	
				Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 4: Climatic loads ISO16750-4:2006 5.2 5.3.1	Accredited only for: ①Temperature range:-40°C~150 °C②temperature rate: ≤1°C/min ③Maximum size<(0.5x0.75 x0.6) m³	2019-12-18
				Environmental testing for electric and electronic products-Part 2: Test methods_Tests N: Change of temperature GB/T2423.22-2012 8	Accredited only for: ①Temperature range:-40°C~150	2019-12-18

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					°C②tempe rature rate: ≤1°C/min ③Maximu m size<0.225 m³(0.5x0.7 5x0.6)m	
				Environmental testing for electric and electronic products-Part 2: Test methods_Tests N: Change of temperature IEC 60068-2- 14:2009 8	Accredited only for: ①Tempera ture range:- 40°C~150 °C②tempe rature rate: ≤1°C/min ③Maximu m size< (0.5x0.75 x0.6) m³	2019-12-18
		6	Thermal shock test	Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 4: Climatic loads GB/T 28046.4-2011 5.3.2	Accredited only for: ①Tempera ture range:- 40°C~150 °C②Size< (0.5x0.43	2019-12-18



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					x0.6) m ³	
				Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 4: Climatic loads ISO16750-4:2010 5.3.2	Accredited only for: ①Temperature range:-40°C~150 °C ②Size<(0.5x0.43 x0.6) m ³	2019-12-18
				Environmental testing for electric and electronic products-Part 2: Test methods_Tests N: Change of temperature GB/T2423.22-2012 7	Accredited only for: ①Temperature range:-40°C~150 °C ②Size<(0.5x0.43 x0.6) m ³	2019-12-18
				Environmental testing for electric and electronic products-Part 2: Test methods_Tests N: Change of temperature IEC 60068-2-14:2009 7	Accredited only for: ①Temperature range:-40°C~150 °C ②Size<(0.5x0.43 x0.6) m ³	2019-12-18



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