Shenzhen XQPOWER Technology Co., LTD

XQ-POWER

Product Inspection Specification

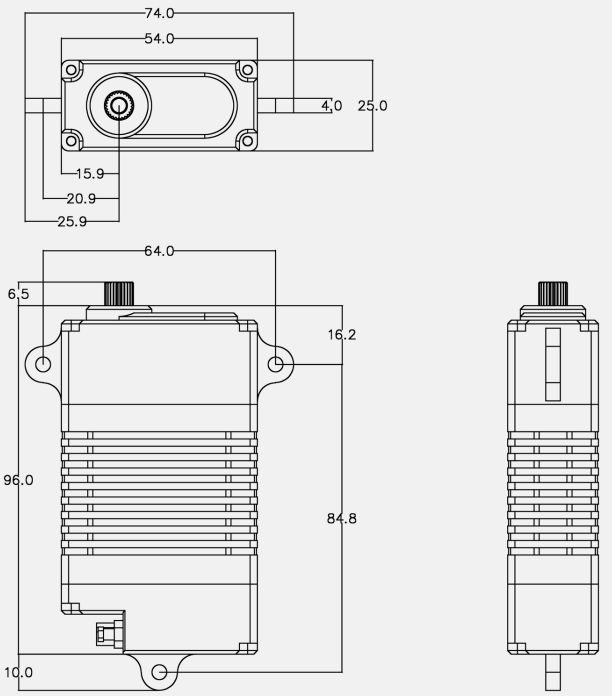
DOCUMENT NO	N/D.20261102.9.1
VER	X9_9080.01
Page.	P.1
Prepare Date	20261102

GSN	XQ-9S	Product Name	XQ-POWER 30V100kg-cm Brushless Servo	Model	XQ-S9080F	Material	CNC all-metal case

Process flow

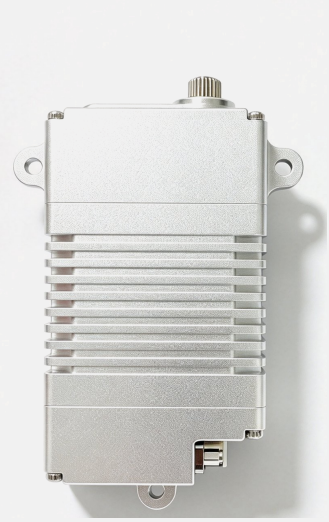
CNC / industry testing torque

SIZE OF THE DRAWINGS



The Drawings

Photos1



Photos2

Control Specifications		
NO.	Standard Test Environment	
1-1	Temperature range	25°C ±5°C
1-2	Humidity range	65%±10%
NO.	Apply Environmental Condition	
2-1	Storage Temperature Range	-30°C ~ 70°C
2-2	Operating Temperature Range	-30°C ~ 65°C
NO.	Mechanical Specification	
3-1	Servo Dimensions	54*25*96 mm
3-2	Servo Weight	290g
3-3	Servo Gear	Steel Gear
3-4	Angle of limit	-
3-5	Servo Bearing	6 Ball bearings
3-6	Output force shaft	25T-φ7.96mm
3-7	Servo arm	7075-Aluminium CNC
3-8	Case Material	6051-Aluminium CNC
3-9	Servo line	J30J-9TJL (additional purchase)
3-10	Built-in motor	Brushless motor
3-11	Splash water resistance	Yes
	Electrical Specification	
NO.	Test Operating Voltage Range	
4-1	Work Voltage	**24 V**
4-2	No load speed	0.28 sec/60°
4-3	Running current (no load)	150 mA
4-4	Peak stall torque	75 kg.cm
4-5	Stall current	<2 A
	Work Voltage	**28 V**
4-6	No load speed	0.20 sec/60°
4-7	Running current (no load)	180 mA
4-8	Peak stall torque	90 kg.cm
4-9	Stall current	<2.5 A
	Work Voltage	**30 V**
4-10	No load speed	0.16 sec/60°
4-11	Running current (no load)	200 mA
4-12	Peak stall torque	100 kg.cm
4-13	Stall current	<3 A

AQL

Make table	CHECK	APPROVE
MR.ZHONG	MR.LIU	Manager.ZHOU

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Product Inspection Specification

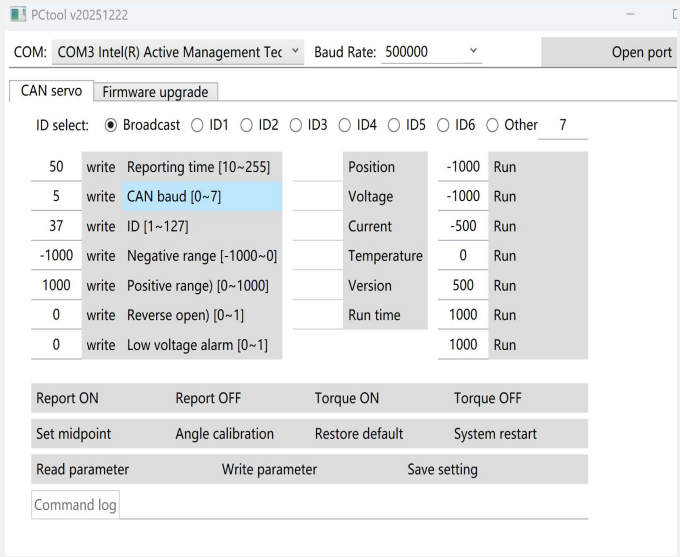
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Control Specification

Test display diagram

Photos1



Accessories

Photos1



Reference opinions of all departments: Agree

EMPHASIS

NO.	Item	Specification
5-1	Command signal	PWM
5-2	Amplifier type	Digital Controller
5-3	Pulse width range	500~2500 μsec customizable
5-4	Neutral position	1500 μsec customizable
5-5	Running degree	±100° customizable
5-6	Dead band width	3 μsec
5-7	Rotating direction	CCW (when 1000~2000 μsec) customizable
	Appearance inspection	
NO.	QC details	
5-8	Material qualified	
5-9	Gear structure qualified	
5-10	Function qualified	
5-11	Use data qualified	
5-12	Pass the test	
NO.	Other	
6-1		
6-2		
6-3		
6-4		
	Other Accessories	
7-1	Plastic arm bag	
7-2	Screw	
7-3	Metal arm (optional)	



AQL

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