Shenzhen XQPOWER Technology Co., LTD

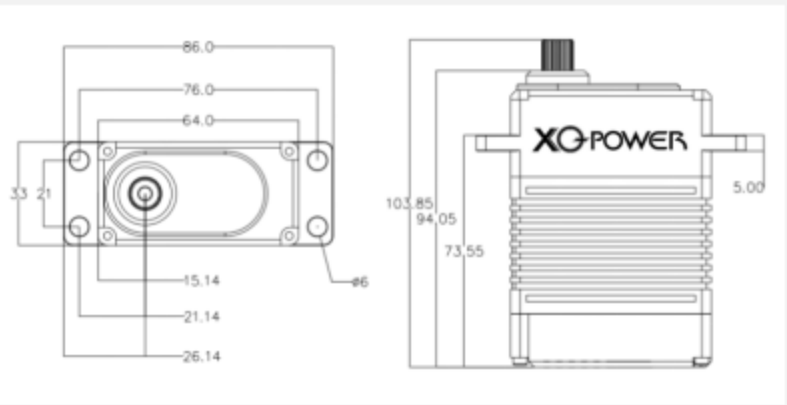
Product Inspection Specification

DOCUMENT NO	N/D.20230730.9.1
VER	X9_9200.03
Page.	P.1
Prepare Date	20230801

GSN	XQ-9S	Product Name	XQ-POWER 30V250kg-cm Brushless Servo	Model	XQ-S9200D	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℃±5℃
1-2	Humidity range	65%±10%
NO.	**Apply Environmental Condition**	
2-1	Storage Temperature Range	-30℃ ~ 70℃
2-2	Operating Temperature Range	-30℃ ~ 60℃
NO.	**Mechanical Specification**	
3-1	Servo Dimensions	64*33*88.5 mm
3-2	Servo Weight	405g
3-3	Servo Gear	Steel Gear
3-4	Angle of limit	No Limit
3-5	Servo Bearing	5 Ball bearings
3-6	Output force shaft	25T-φ11.8mm
3-7	Servo arm	Metal
3-8	Case Material	Aluminium CNC
3-9	Servo line	Socket(Wire IM separately to buy)
3-10	Built-in motor	Brushless motor
3-11	Splash water resistance	Yes

AQL

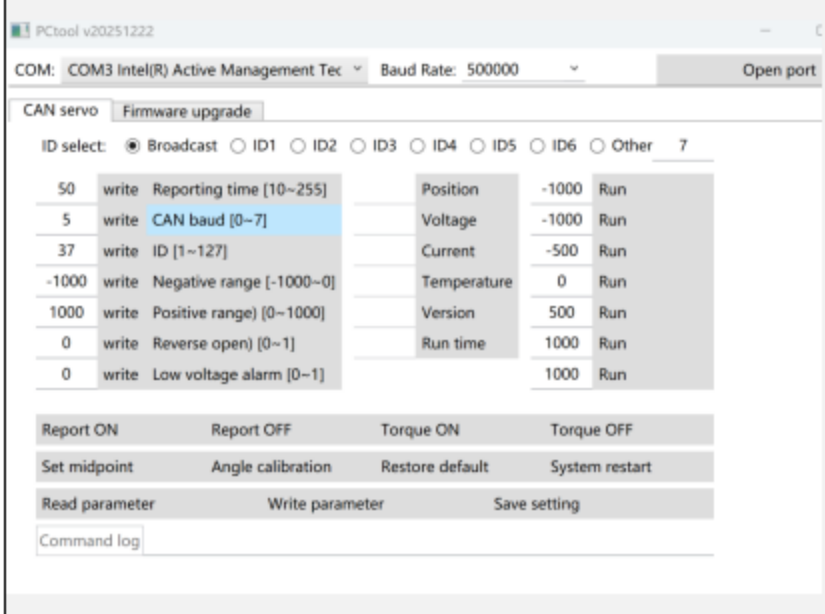
Electrical Specification		
NO.	Test Operating Voltage Range	
4-1	Work Voltage	24 V
4-2	No load speed	0.29 sec/60°
4-3	Runnig current (no load)	200 mA
4-4	Peak stall torque	200 kg.cm
4-5	Stall current	5.5 A
	Work Voltage	28 V
4-6	No load speed	0.20 sec/60°
4-7	Runnig current (no load)	300 mA
4-8	Peak stall torque	230 kg.cm
4-9	Stall current	7 A
	Work Voltage	30 V
4-10	No load speed	0.13 sec/60°
4-11	Runnig current (no load)	400 mA
4-12	Peak stall torque	250 kg.cm
4-13	Stall current	8 A

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

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	360° (when1000~2000μsec) customizable
5-6	Dead band width	3 μsec
5-7	Rotating direction	CCW (when 1000~2000μsec) customizable

Appearance inspection	
NO.	QC details
5-7	Material qualified
5-8	Gear structure qualified
5-9	Function qualified
5-10	Use data qualified
5-11	Pass the test

AQL

NO.	Other
6-1	
6-2	
6-3	
6-4	

Other Accessories	
7-1	Plastic arm bag
7-2	Screw
7-3	Metal arm (additional purchase)



Make table	CHECK	APPROVE
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