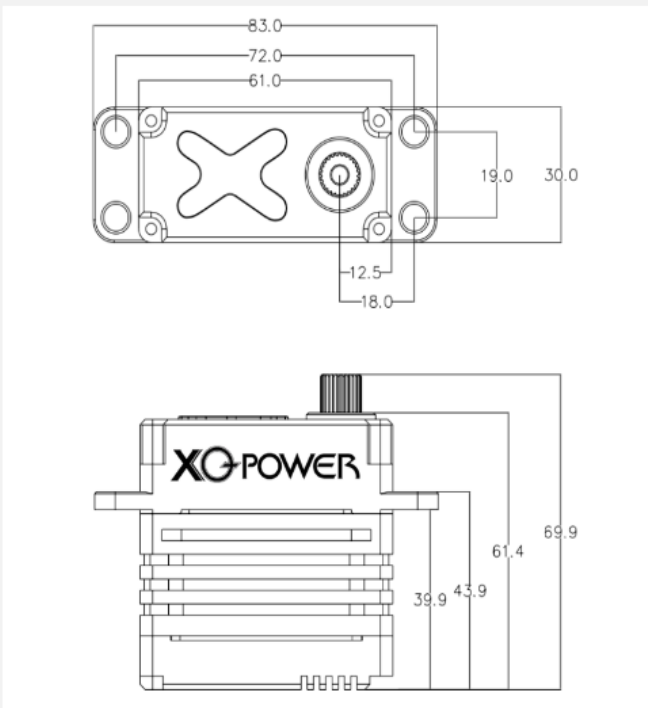
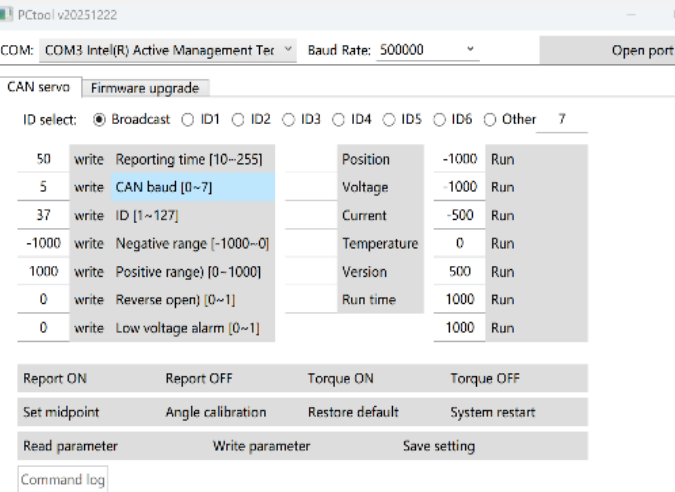


Shenzhen XQPOWER Technology Co., LTD					DOCUMENT NO		N/D.20230428.9.1								
					VER		X9_9100.01								
					Page.		P.1								
					Prepare Date		20230405								
GSN		XQ-9S	Product Name	XQ-POWER 12V110kg-cm Brushless Servo		Model	XQ-S9100DC	Material	CNC all-metal case						
Process flow					CNC / industry testing torque										
SIZE OF THE DRAWINGS 					Control Specifications				AQL						
					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	-20°C ~ 60°C								
					NO.	Mechanical Specification									
					3-1	Servo Dimensions	61*30*61.4 mm								
					3-2	Servo Weight	190g								
					3-3	Servo Gear	Steel Gear								
					3-4	Angle of limit	No Limit								
					3-5	Servo Bearing	10 Ball bearings								
					3-6	Output force shaft	25T-φ9.95mm								
					3-7	Servo arm	Metal								
					3-8	Case Material	Aluminium CNC								
					3-9	Servo line	J30J-9TJL purchase separately								
					The Drawings						3-10	Built-in motor	Brushless motor		
					Photos1 						3-11	Splash water resistance	Yes		
Electrical Specification															
NO.	Test Operating Voltage Range														
4-1	Work Voltage	8.4 V													
4-2	No load speed	0.25 sec/60°													
4-3	Runnig current (no load)	200 mA													
4-4	Peak stall torque	115 kg.cm													
4-5															
4-6	Stall current	6.5 A													
	Work Voltage	12 V													
4-6	No load speed	0.15 sec/60°													
4-7	Runnig current (no load)	300 mA													
4-8	Peak stall torque	110 kg.cm													
4-9															
4-10	Stall current	8 A													
	Work Voltage	16.8 V													
Photos2 										4-11	No load speed	0.12 sec/60°			
										4-12	Runnig current (no load)	400 mA			
										4-13	Peak stall torque	130 kg.cm			
					4-14										
					4-15	Stall current	10 A								
					Make table		CHECK	APPROVE							
					MR.ZHONG		MR.LIU	Manager.ZHOU							

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO	N/D.20230428.9.1
						VER	X9_9100.01
						Page.	P.2
						Prepare Date	20230405
GSN	XQ-9S	Product Name	XQ-POWER 12V110kg-cm Brushless Servo	Model	XQ-S9100DC	Material	CNC all-metal case
Control Specification							
Test display diagram				EMPHASIS			
Photos1 				NO.	Item	Specification	AQL
				5-1	Command signal	PWM / CAN 50-333Hz	
				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° (when1000-2000 μsec) Customization	
				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		
				Accessories			
Photos1 				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)		
							
				Reference opinions of all departments: Agree			
				Make table	CHECK	APPROVE	
				MR.ZHONG	MR.LIU	Manager.ZHOU	