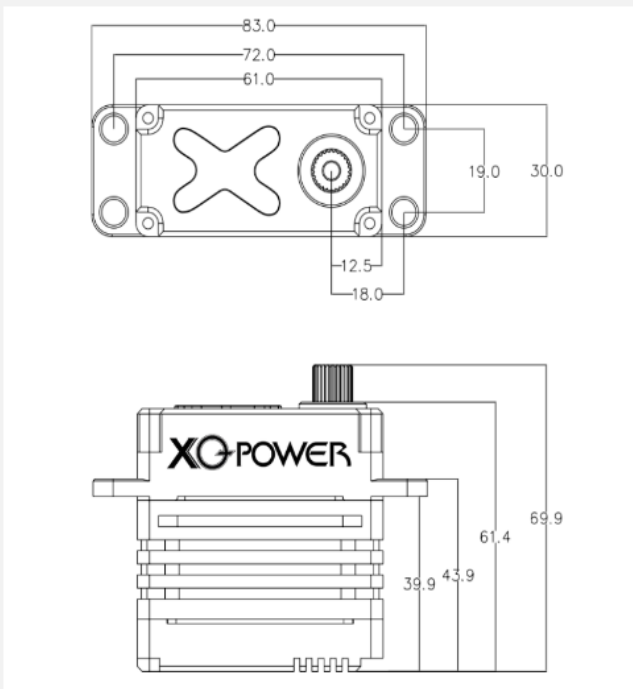
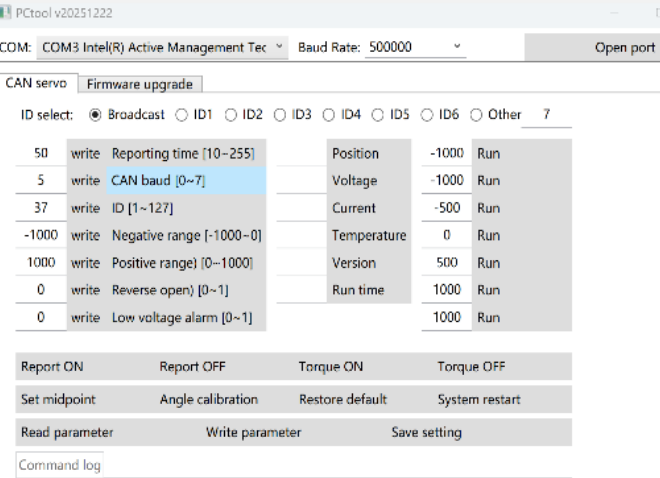


Shenzhen XQPOWER Technology Co., LTD				DOCUMENT NO		N/D.20230428.9.1								
				VER		X9_9100.01								
				Page.		P.1								
				Prepare Date		20230405								
GSN		XQ-9S	Product Name	XQ-POWER 12V110kg-cm Brushless Servo		Model	XQ-S9100TTL	Material	CNC all-metal case					
Process flow					CNC / industry 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									
3-10 Built-in motor					Brushless motor									
3-11 Splash water resistance					Yes									
The Drawings					Electrical Specification									
Photos1					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									
					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-S9100TTL		Material		CNC all-metal case									
Control Specification																							
Test display diagram								EMPHASIS															
Photos1 								NO.		Item		Specification											
								5-1		Command signal		PWM / CAN / 485 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													
								5-11		Pass the test													
Accessories								NO.		Other													
Photos1 								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			
																MR.ZHONG		MR.LIU		Manager.ZHOU			
Reference opinions of all departments: Agree																							