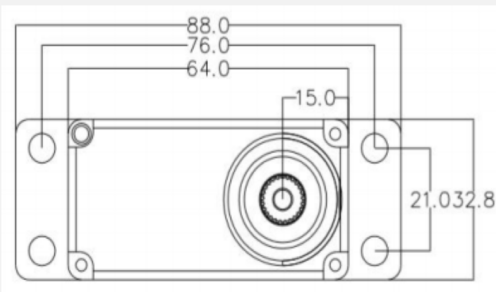
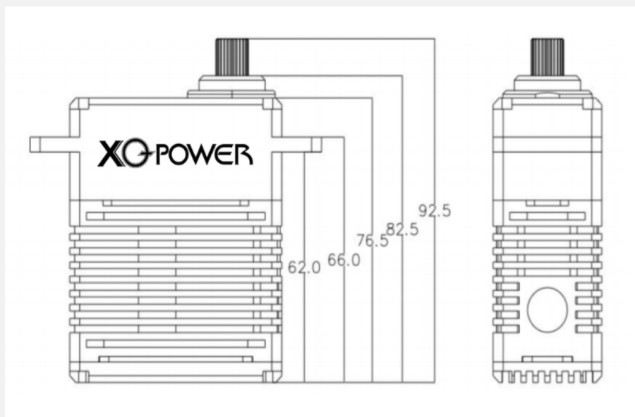
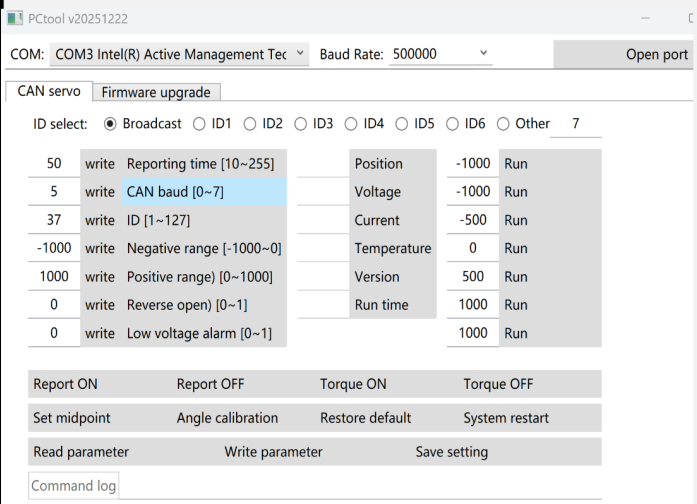


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.20211205.9.1			
						VER		X9_9150.01			
						Page.		P.1			
						Prepare Date		20221210			
GSN		XQ-9S	Product Name	XQ-POWER 16.8V150kg-cm Brushless Servo		Model	XQ-S9150DC	Material	CNC all-metal case		
Process flow						CNC / industry testing torque					
SIZE OF THE DRAWINGS						Control Specifications					AQL
						NO.	Standard Test Environment				
					1-1	Temperature range	25℃±5℃				
					1-2	Humidity range	65%±10%				
					NO.	Apply Environmental Condition					
					2-1	Storage Temperature Range	-30℃ ~ 70℃				
					2-2	Operating Temperature Range	-20℃ ~ 60℃				
					NO.	Mechanical Specification					
					3-1	Servo Dimensions	64*32.8*76.5 mm				
					3-2	Servo Weight	452g				
					3-3	Servo Gear	Steel Gear				
					3-4	Angle of limit	180°				
					3-5	Servo Bearing	2 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	500 mm				
					3-10	Built-in motor	Brushless motor				
					3-11	Splash water resistance	Yes				
					Electrical Specification						
The Drawings					NO.	Test Operating Voltage Range					
					4-1	Work Voltage	8.4 V				
Photos1					4-2	No load speed	0.29 sec/60°				
					4-3	Runnig current (no load)	150 mA				
					4-4	Peak stall torque	115 kg.cm				
					4-5	Stall current	6.5 A				
						Work Voltage	12.6 V				
					4-6	No load speed	0.18 sec/60°				
					4-7	Runnig current (no load)	270 mA				
					4-8	Peak stall torque	160 kg.cm				
					4-9	Stall current	8 A				
						Work Voltage	16.8 V				
Photos2					4-10	No load speed	0.14 sec/60°				
					4-11	Runnig current (no load)	400 mA				
					4-12	Peak stall torque	180 kg.cm				
					4-13	Stall current	10 A				
Make table		CHECK		APPROVE							
MR.ZHONG		MR.LIU		Manager.ZHOU							

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.20211205.9.1		
						VER		X9_9150.01		
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GSN		XQ-9S	Product Name	XQ-POWER 16.8V150kg-cm Brushless Servo		Model	XQ-S9150DC	Material	CNC all-metal case	
Control Specification										
Test display diagram					EMPHASIS					
Photos1 					NO.	Item		Specification		
					5-1	Command signal		PWM / CAN 50-333Hz		
					5-2	Amplifier type		Digital Controller		
					5-3	Pulse width range		800~2200 μsec		
					5-4	Neutral position		1500 μsec		
					5-5	Running degree		360° (when1000~2000 μsec) Customization		
					5-6	Dead band width		4 μsec		
					5-7	Rotating direction		CCW (when 1000 ~2000μsec)		
					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										
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						