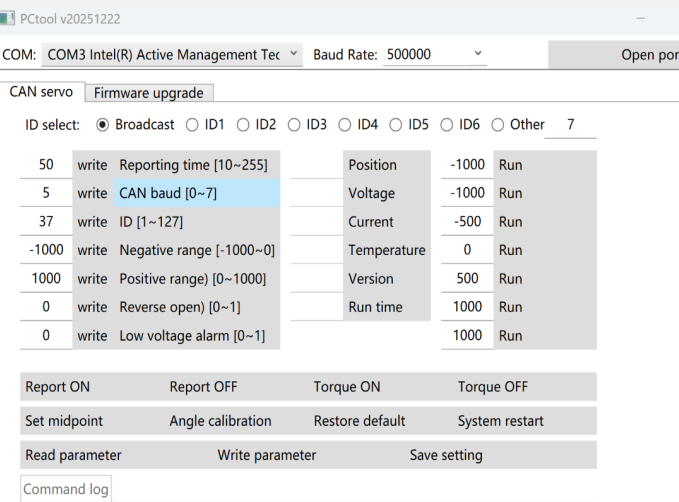


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.20211205.9.1			
						VER		X9_9150.01			
						Page.		P.1			
						Prepare Date		20221210			
GSN		XQ-9S	Product Name	XQ-POWER 16.8V150kg-cm Brushless Servo		Model	XQ-S9150D	Material	CNC all-metal case		
Process flow						CNC / industry testing 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	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					
The Drawings						Electrical Specification					
NO.	Test Operating Voltage Range										
4-1					Work Voltage	8.4 V					
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					
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							
Photos1						Photos2					

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.20211205.9.1		
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						Page.		P.2		
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GSN		XQ-9S	Product Name	XQ-POWER 16.8V150kg-cm Brushless Servo		Model	XQ-S9150D	Material	CNC all-metal case	
Control Specification										
Test display diagram					EMPHASIS					
Photos1 					NO.	Item		Specification		AQL
					5-1	Command signal		PWM 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				
					Accessories					
5-11	Pass the test									
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						