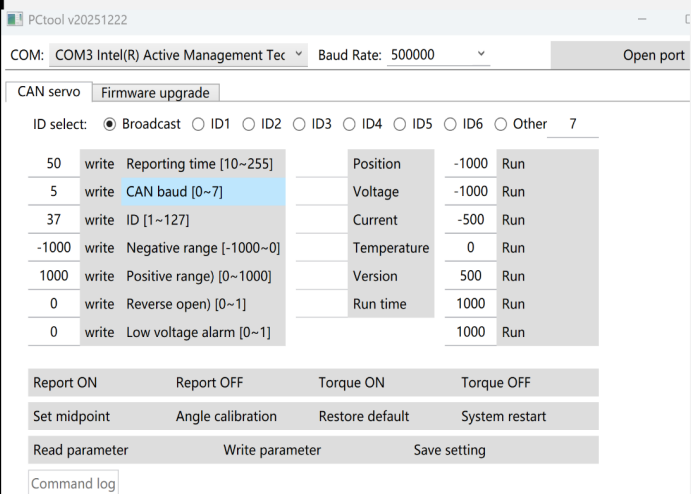


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.20211205.9.1		
						VER		X9_9150.01		
						Page.		P.1		
						Prepare Date		20221210		
GSN		XQ-9S	Product Name	XQ-POWER 16.8V150kg-cm Brushless Servo		Model	XQ-RS9150D	Material	CNC all-metal case	
Process flow					CNC / industry testing torque					
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					
Photos1					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			
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			

AQL

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.20211205.9.1						
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GSN		XQ-9S	Product Name	XQ-POWER 16.8V150kg-cm Brushless Servo		Model	XQ-RS9150D	Material	CNC all-metal case					
Control Specification														
Test display diagram					EMPHASIS									
Photos1 					NO.	Item		Specification		AQL				
					5-1	Command signal		PWM / 485 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					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)								
														
					Reference opinions of all departments: Agree					Make table	CHECK	APPROVE		
					MR.ZHONG	MR.LIU	Manager.ZHOU							