

ATTACHMENT 5

KS 272C Trim Servo Actuator Test Data Sheet

FINAL DATA SHEET FOR VERSION -0800

KS 272C

SERIAL # U3350

ALL EQUIPMENT HAS CURRENT CALIBRATION

☒ OK

Para Step	TEST DESCRIPTION	LIMITS	DATA
5.2.5.1	Ohm Meter Measurement		
A.		52 ± 10 ohms	☒ OK
D.		No more than 2 ohms	☒ OK
5.2.5.2	External Strapping Test		
F.	Input @ 27.5 ± 0.5 Vdc	(Solenoid engages & disengages)	☒ OK
5.2.5.3	Solenoid Engage - Pulling against gravity		
D.	Input @ 20.5 ± 0.1 Vdc	(Solenoid engages & disengages)	☒ OK
5.2.5.4	Motor Breakout and Direction		
F.2.	Pinion should turn slowly CCW < 10 seconds		☒ OK
I.2.	Pinion should turn slow CW < 10 seconds		☒ OK
5.2.5.5	Speed Characteristics, Phasing & Tach Scale Factor		
F.1	CCW Rotation and Tach Voltage	CCW and Negative	☒ OK
F.2	CCW Revolutions	CCW 2 Rev in 12.5-17 sec	☒ OK
K.1	CW Rotation and Tach Voltage	CW and Positive	☒ OK
K.2	CW Revolutions	CW 2 Rev in 12.5-17 sec	☒ OK
L.1	Pin A Manual Trim Voltage	13.5-16.5 volts	☒ OK
M.1	Capstan stopped		☒ OK
N.1	Capstan rotating		☒ OK
5.2.5.6	Torque Characteristics		
H.3	CW	(Solenoid disengages)	☒ OK
M.3	CCW	(Solenoid disengages)	☒ OK
5.2.5.7	Offset Voltage		
E.1	Motor Feedback output at -1 input	NMT - 5 V	☒ OK
J.1	Motor Feedback output at +1 input	NMT + 5 V	☒ OK
L.1	Motor Feedback output with disable on	0 ± 0.05V	☒ OK

TESTED BY _____

DATE

5/22/18