


## ADS-986HTG+HV / Full Size High Voltage Servo+HS+TG(Ultra High Torque)

Control System	Positive PWM control 1500 usec Neutral	
Operation Voltage Range	4.8V ~ 7.4V	
Operation Temperature Range	-20C° ~ +60C° (-4°F ~ 140°F)	
Test Voltage:	<b>At 6.0V (Ni-cd)</b>	<b>At 7.2V(Ni-cd)</b>
Stall Torque	20.2kg/cm , 270oz/in	24.3kg/cm , 313 oz/in
Standing Torque	19.1kg/cm , 252oz/in	22.1kg/cm , 284oz/in
Speed	0.16sec / 60 deg at no load	0.13sec / 60 deg at no load
Idle Current	2mA at stopped	2mA at stopped
Running Current	330mA at no load	345mA at no load
Stall Current	920mA	1050mA
Dead band width	2 usec	2 usec
Operation Travel	40°/ one side pulse travel 400 usec	
Direction	Re-clock wise/ Pulse Travel 1500 to 2000 usec	
Motor Type	High Response Coreless Motor	
Potentiometer Type	4 Slider/indirect drive	
Amplifier Type	Digital Control & Double 5A Transistors	
Dimensions	39.0 x 19 x 38.5 mm / 1.56 x 0.74 x 1.54 in.	
Weight:	56grams / 1.66oz without splined horn	
Ball Bearing	Dual / M10x6	
Gear Material	Titanium Gears	
Horn Gear Spline	Metal 25 Tooth (External diameter: 5.9mm)	
Connector Wire Length	300mm (9.85inch)	
Connector Wire Stand Counter	60EA	
Connector Wire Gauge	22AWG	
Wire Info (Black)	- Negative	
Wire Info (Red)	+ Positive	
Wire Info (White)	S Single	

### Spare Parts Items

Servo Gear Set	<#10706> ADS-962HTG(Metal Gears)	
Servo Case Set	<#10707> ADS-962HTG(Outside case)	
Servo Accessories	<#10708> ADS-962HTG(Accessories - Horn & screws & rubber )	

