



HS-7950TH High Voltage, Ultra Torque, Titanium Gear, Coreless Ultra Premium Servo

Part No: 37950S



Product Description

Hitec's strongest servo period, the "Ultra Torque" HS-7950TH is designed to operate on a two cell LiPo Pack. Featuring our high resolution "G2" second generation programmable digital circuit and our indestructible Titanium gears, the HS-7950TH has the performance and durability you've come to expect from a Hitec servo. Other features in the HS-7950TH include a 7.4V optimized coreless motor, integrated heat sink case, and a top case with two hardened steel gear pins supported by axial brass bushing.

The HS-7950TH has been designed for the most demanding hobby applications including the largest aircraft and monster trucks. Featuring a titanic 403 oz./in. of torque at 6.0 volts, while still maintaining a respectable 0.15 second transit time.

Features

- G2 Digital Circuit
- Titanium Gear Train (MK first gear)
- Ultra Performance Coreless Motor
- Heatsink Case
- (8) O-Rings for Water/Dust/Fuel protection
- Dual Ball Bearing Supported Output Shaft

Programmable Functions

- End Point Adjustments
- Direction
- Fail Safe
- Dead Band
- Speed (Slower)
- Overload Protection
- Resolution
- Data Save / Load
- Program Reset

*These features are only programmable with the HFP-20, HPP-20 or HPP-21 programmers.

Accessories

- Titanium Gear Set | [Link](#) |
- Metal / Karbonite 1st Gear Set | [Link](#) |
- Plastic / Aluminum Case Set | [Link](#) |
- Applicable Horns

HS-7950TH Servo Specifications

Performance Specifications	
Operating Voltage Range (Volts DC)	6.0V ~ 7.4V
Speed (Second @ 60°)	0.17 ~ 0.14
Maximum Torque Range oz. / in.	403 ~ 486
Maximum Torque Range kg. / cm.	29.0 ~ 35.0
Current Draw at Idle	10 mA
No Load Operating Current Draw	440 mA
Stall Current Draw	9,000 mA
Dead Band Width	2 μ s
Physical Specifications	
Dimensions (Inches)	1.57 x 0.79 x 1.50
Dimensions (Metric)	40.0 x 20.0 x 38.0
Weight (Ounces)	2.29
Weight (Gram)	65.0
Circuit Type	G2 Programmable Digital
Motor Type	Coreless Metal Brush
Gear Material	Titanium
Bearing Type	Dual Ball Bearing
Output Shaft (type / Ømm)	Standard 24
Case Material	Plastic / Aluminum
Dust / Water Resistance	Splash Proof
Connector Gauge (AWG) / Strand Count	22 / 60
Radio Control Applications	
Parkflyer	N / A
Sport Plane	> 40%
Sailplane	2 meters and up
3D Performance	> 40%
Scale	> 40%
Electric Helicopter	N / A
Gas Helicopter	N / A
On Road	1/8th

Monster Truck	1/8th
Buggies	1/8th
Truggies	1/8th
Short Course / Truck	1/8th
Crawlers	1/8th
Sail Boat	= >1M & Scale
Power Boat	N / A

Check out what the guys at Bigsquidrc.com have to say about the HS-7950TH!



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