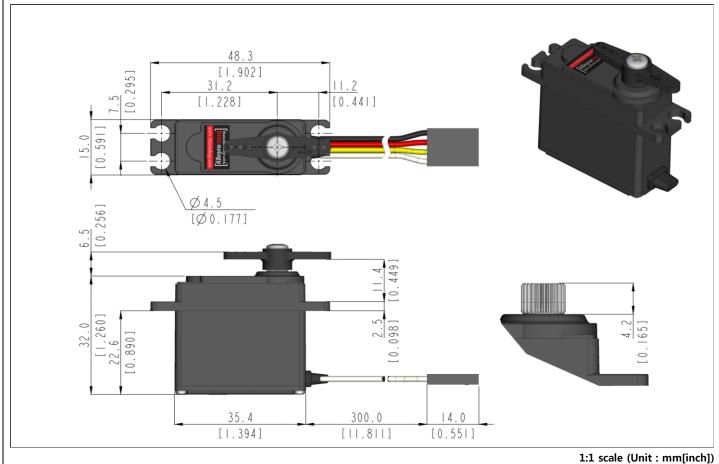
MD250MW-RS485 General Specification.



Control System	RS-485			-
Position Sensor Type	Contactless Magnetic Encoder			-
Motor Type	Cored Carbon Brush			At the Max voltage, it is recommended to be used only
Operating Voltage Range	4.0 ~ 8.4V			
Voltage	4.8V	6.0V	7.4V	for a short time duration.
No Load Speed	0.20sec/60°	0.16sec/60°	0.13sec/60°	At 25°C(±10%), 45%RH(±10%) measurement environment
Stall Torque	4.9kgf·cm (68.05oz·in)	6.1kgf·cm (84.71oz·in)	7.5kgf·cm (104.16oz·in)	
Peak Efficiency Torque	1.0kgf·cm (13.89oz·in)	1.2kgf·cm (16.66oz·in)	1.5kgf·cm (20.83oz·in)	
Standing Current	40mA	40mA	40mA	
No Load Running Current	110mA	150mA	190mA	
Stall Current	1,000mA	1,300mA	1,600mA	
Deadband	n/a	n/a	n/a	
Operating Travel	Default: ±60°, Programmable: Max 320°			-
Continuous Rotation	n/a			-
Operating Temperature Range	-20°C ~ +60°C (-4°F ~+140°F)			-
Storage Temperature Range	-30°C ~ +80°C (-22°F ~+176°F)			-
Connector Wire Length	300mm (11.811inch)			1. R5485-A 2. R5485-B 3. VCC 4. GND
Connector Wire Gauge	22AWG			
Dimensions	35.4mm x 15.0mm x 32.0mm (1.394inch x 0.591inch x 1.260inch)			General Tolerance ±0.1mm
Weight	40.0g (1.411oz)			Excluding the weight of Horn
Bearing Type	2 Ball Bearing			-
Case Material	Engineering Plastic			-
Gear Material	1 Metal-Plastic & 4 Steel Gears			-
Gear Train Backlash	Max 0.5°			-
Horn Gear Spline	25T(Ø6)			-
IP-Rating	IP4X			-
Servo Amplifier Type	32bit programmable Digital			-



- This product should not be used directly on the human body for medical purposes.
- This product should not be used for war weapons.
- All specifications are subject to change without notice.
- Be careful as strong magnetic fields may cause malfunction of the product.



