WF-CO-10KGF Coaxial Test Stand			Remarks
Basic Information	Operating Temperature	0 ∽ +40 ℃	The range and accuracy in the datasheet refer to Single motor and propeller.
	Operating Humidity	≦80%	
	Storage Temperature	-20 ∽ +60 ℃	
	Storage Humidity	≦ 90%	
	Net Weight	40 kg	
	Dimension	1200*600*660 mm	
	Power Supply	12V 2A DC5521	
Propulsion system	Recommended Propulsion	Max thrust 3-6kg	DO NOT test Small-size propellers. Max Thrust <7kg when test foldable propeller or propulsion system with strong vibration
	Min Propulsion	>1kg Thrust(exclude racing drone propulsion)	
	Max Propulsion	Max Thrust 10kg	
	Max Propeller	30 inch	
Voltage & Current	Voltage Range	5 ∽ 65 V	Over Range is Prohibited, otherwise test stand will be damaged permernantly.
	Voltage Resolution	0.01 V	
	Voltage Accuracy	0.05%+0.05%FS	
	Current Range	0 ∽ 100 A	
	Current Resolution	0.01 A	
	Current Accuracy	0.1%+0.1%FS	
Thrust	Range	10 kgf	Destructive Experiment is Prohibited. DO NOT test Propulsion system with Strong Vibration
	Resolution	1 gf	
	Sensor Accuracy	0.1%+0.1%FS	
Torque	Range	5 N•M	
	Resolution	0.001 N•M	
	Sensor Accuracy	0.2%+0.2%FS	
RPM Sensor	Range (bipolar Motor)	60 ∽ 150000 RPM	eg:Motor series 14, max rotational speed is 21428RMP, Accuracy± 20RPM
	Resolution	1 RPM	
	Accuracy	0.05%±0.05%FS	
Temperature Probe	IR Temperature (Motor case)	-70 ∽ +350 ℃	
	Resolution	0.1 ℃	
	Accuracy	±0.5 ℃	
	Ambient Temperature	-40 ∽ +125 ℃	
	Resolution(Ambient Temperature)	0.1 ℃	
	Accuracy(Resolution(Ambient Tempe	±0.5 ℃	
Optional			Remarks
Airspeed sensor (differential pressure)	Range(Differential Pressure)	1 psi	DO NOT display differential pressure. No fixed Airspeed accuracy. The higher the airspeed, the higher the accuracy.
	Resolution(Differential Pressure)	0.84 pa	
	Accuracy (Differential Pressure)	1%	
	Airspeed(standard atmosphere)	5 ∽ 100m/s	
	Airspeed Resolution	0.1 m/s	
	Length of “L”Pitot tube	800 mm	
Optical Speed Sensor	Range(Two Blades)	0 ∽ 90000 RPM	Resolution and accuracy increase with the number of blades. DO NOT use Small-Size Propellers.
	Resolution(Two Blades)	30 RPM	
	Accuracy(Two Blades)	±30 RPM	
Barometric sensor	Range(Barometric Pressure)	50 ∽ 120 kpa	
	Resolution	0.01 kpa	
	Accuracy	±0.4 kpa	
	Humidity Range	0 ∽ 100 %RH	
	Humidity Resolution	1 %RH	
	Humidity Accuracy	±3%	
Wireless Data Transmission	Frequency	2400 MHz	Communication CAN NOT go through Metal Barriers.
	TX Power	20 dBm	
	Communication distance(Open Area)	2000 m	