

WF-EDU-01 Motor and Propeller Test Kit			Remarks
Basic Information	Operating Temperature	0 ~ +40 °C	
	Operating Humidity	≅80%	
	Storage Temperature	-20 ~ +60 °C	
	Storage Humidity	≅ 90%	
	Net Weight	33 kg	
	Dimension	750*750*790 mm	
Power Supply	Output Voltage	DC 24 V	
	Output Current	DC 15 A MAX	
	Input Power	AC220V 50-60HZ 2A	
	Typical Application	disk motor with 20" propeller, 2.5kg thrust	
Propulsion system	Recommended Propulsion	Max Thrust 2-5kg	Max Thrust < 6kg when test foldable propeller or propulsion system with strong vibration
	Min Propulsion	>1kg Thrust(exclude racing drone propulsion)	
	Max Propulsion	Max Thrust 8kg	
	Max Propeller	26 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	0.1%+0.1%FS	
	Current Range	0 ~ 100 A	
	Current Resolution	0.01 A	
	Current Accuracy	0.2%+0.2%FS	
Thrust	Range	10 kgf	Destructive Experiment is Prohibited. DO NOT test Propulsion system with Strong Vibration
	Resolution	1 gf	
	Accuracy	0.2%+0.2%FS	
Torque	Range	5 N•M	
	Resolution	0.001 N•M	
	Accuracy	0.2%+0.2%FS	
RMP 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 °C	
	Resolution	0.1 °C	
	Accuracy	±0.5 °C	
	Ambient Temperature	-40 ~ +125 °C	
	Resolution(Ambient Temperature)	0.1 °C	
	Accuracy(Ambient Temperature)	±0.5 °C	
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	