

WF-DT007 Onboard Thrust Test Kit			Remarks
Basic Information	Operating Temperature	0 ~ +40 °C	
	Operating Humidity	≦80%(No condensation)	
	Storage Temperature	-20 ~ +60 °C	
	Storage Humidity	≦ 90%(No condensation)	
	Net Weight(Data acquisition module)	240 g	
	Power Supply	DC 12V (3S)	
Voltage&Current	Voltage Range	5 ~ 65 V	High voltage can be customized. Current CAN NOT exceed the max range, otherwise it will be burnt.
	Voltage Resolution	0.01 V	
	Voltage Accuracy	0.05%+0.05%FS	
	Current Range	50,100,150A	
	Current Resolution	0.01 A	
	Current Accuracy	0.1%+0.1%FS	
Thrust/Torque Sensor	Weight	Custom, usually 200-500g	Thrust/Torque sensor is overloaded in actual flight. The sensor should be 5-10 times the real max thrust and torque.
	Range(Thrust)	10KG -Custom	
	Resolution(Thrust)	1 gf	
	Accuracy(Thrust)	0.25%+0.25%FS	
	Range(Torque)	5 N•M - Custom	
	Resolution(Torque)	0.001 N•M	
	Accuracy(Torque)	0.5%+0.5%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	
Airspeed Module (Differential Pressure)	Range(Differential Pressure)	1 psi	DO NOT display differential pressure. No fixed Airspeed accuracy. The higher the airspeed, the higher the accuracy. Airspeed has temperature compensation but NO altitude compensation. Airspeed Module doesn't include airspeed.
	Resolution(Differential Pressure)	0.84 pa	
	Accuracy (Differential Pressure)	1%	
	Airspeed(standard atmosphere)	5 ~ 100m/s	
	Airspeed Resolution	0.1 m/s	
	Weight	5 g	
Wireless Data Transmission	Working Frequency	2400 MHz	Antenna should be mounted externally and vertical to the fuselage
	TX Power	20 dBm	
	Communication Distance (Open Area)	2000 m	
	Weight of Onboard Unit	45 g	