WF-EN-55 Engine Test Bench			
	Operating Temp	0 ∽ +40 °C	
Basic Parameters	Operating Humidity	≦80% No condensation	
	Storage Temp	-20 ∽ +60 °C	
	Storage Humidity	≤ 90% No condensation	
	Maximum Installed Weight Recommended Test Engine	35KG	
	Max Propeller	65 in	
Equipment Power Supply UPS system	AC Power Supply	AC100-277V 2.8A	
	Equipment Power Consumption	DC 24V 0.5A	12V, 24V systems must be confirmed before ordering.
	Battery System	12V/24V 20/10AH(CCA≥200A)	The test bench can be operated without an external power
	Charging Current	15.4/7.7A MAX	suppry. Long-term operation requires power from the engine's
Device Communication	Main Serial Port	RS-422@460800	
	Wired Communication	KS-485@115200 High-speed 422 via USB module ± 485 via USB module	
Wireless Data Transmission	Device Type	Dual-channel 422/485 full-duplex wireless transmission	
	Working Frequency Band	2400 MHz	It connet he used through metal wells
	Transmitting Power	20 dBm	it cannot be used unough nictar wans.
Engine Control	Communication Distance	200 m	
	IO1-ECU Power Supply	15A Relay (battery powered) 300A Relay (battery powered)	
	IO3-Inition 1	15A Relay (ground)	
	IO4-Ignition 2	15A Relay (ground)	
	IO5-Oil Pump 1	15A Relay (battery powered)	IO1, 5, 6, 7 are general interfaces.
	IO6-Oil Pump 2	15A Relay (battery powered)	
	IO7-Servo Power Supply	15A Relay (battery powered)	
	Choke servo PWM signal output 1 Choke servo PWM signal output 2	333Hz 800-2200µs	
	Range	150 kg	
Thrust	Resolution	0.01 kg	
	Instantaneous Overload	200%F.S.	
	Destructive Overload	400%F.S.	It is strictly forbidden to conduct destructive experiments on
	Range	0.2%+0.2%t/S	this test bench. When resonance occurs between the engine and
Torque	Resolution	0.01 N·m	the test bench, the test should be stopped immediately to
	Instantaneous Overload	200%F.S.	prevent accidents.
	Destructive Overload	400%F.S.	
	Sensor Accuracy	0.2%+0.2%F.S.	
Optical Speed Pulse Speed	Range	0 ~ 15000 RPM	
	Resolution	1 RPM	
	Range	0.05%+0.05%+S	
	Resolution	1 RPM	
	Accuracy	0.05%+0.05%FS	
	Supported Level	1-5V	
Cylinder Head Thermocouple *2	Туре	PT100	
	Range	-20 ~ 250 °C	
	Accuracy	± 0.3 °C	
Exhaust Thermocouple*2	I ype Range	K Type -20∽650 °C	
	Accuracy	0.05%+1°C	
Spare Temperature Interface*4	Туре	PT100/K Type	
	Range	Same as above	
Environmental Module	Acquisition Accuracy	Same as above	
	Barometric pressure range	30 ~ 110 kpa	
	Barometric pressure resolution Barometric pressure accuracy	±0.06 kpa	
	Ambient temperature range	-40 ∽ 85 °C	
	Ambient temperature resolution	0.1 °C	
	Ambient temperature accuracy	±l °C	
	Humidity range	0 ~ 100%RH	
	Humidity resolution	1 %RH	
	amonty accuracy	and A.A.	I
Optionals			
Type Illeration materianati ku non contrad Clann type			
Instantaneous High-precision	Range	0-8000mL/min	It is not suitable for engines with built-in fuel return. If there are
Fuel Flow Sensor	Accuracy	0.15%F.S.	no bubbles in the fuel return line, two sensors can be used to
	Response time	50ms	subudet and test the fuel now.
Bed Block C	Range	-0.5 ~ 2 bar	
Fuel Flow Sensor Oil Pressure Sensor	Accuracy Resolution	0.2%+0.2%t.S.	
	Range	0~10 bar	
	Accuracy	0.2%+0.2%F.S.	
	Resolution	0.01bar	
DC Voltage Sensor	Voltage Range	5 ~ 65 V (Optional 150V, 200V, 500V, 1000V)	
	Voltage Resolution	0.01 V	
	voltage Accuracy	0.05%+0.05%eFS	
DC Current Sensor	Current Resolution	0.01 A	
	Current Accuracy	0.1%+0.1%F.S	
Safety Cage	Material	Square Tube Welding +Iron Mesh	
	Dimensions	Outer Diameter 70inch	
	Protection Method	Ring Protection	
Noise Sensor Atmospheric Oxygen Sensor	Accuracy	30~120dB 0.5dB	
	Resolution	0.1dB	
	Range	0-25%	
	Accuracy	0.2%	
	Service Life	1 Year	
	Difference Pressure Range	1 psi 0.84 ps	
Airspeed (Pressure Difference) Module	Difference Pressure Resolution	0.04 pa	
	Airspeed Range (standard atmosphere)	5 ~ 100m/s	Airspeed has no fixed accuracy, the higher the airspeed, the
	Airspeed Resolution	0.1 m/s	nigner the accuracy.
	L-type Pitot Tube Height	800 mm	
	L-type Pitot Tube Coefficient	0.99-1.00	