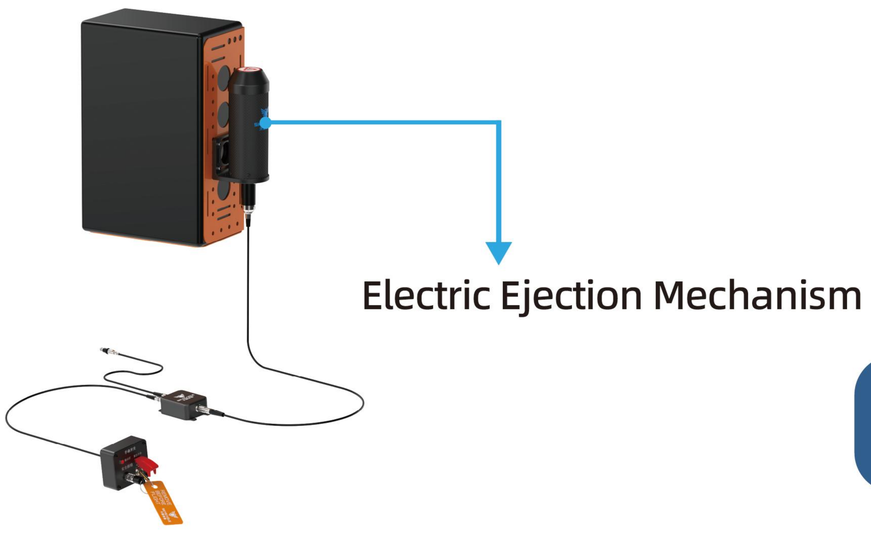
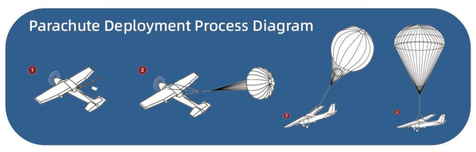
SKYEAGLE

Aircraft Parachute System

-High-Speed Fixed-Wing Aircraft





Performance Specifications

Model	T182-350	T182-500	T182-650	T182-800
Maximum Deployment Weight	350 kg	500 kg	650 kg	800kg
Maximum Deployment Speed	220 km/h	220 km/h	220 km/h	220 km/h
Ejection System Component Weight	2.2kg	2.2kg	2.5kg	2.5kg
Ejection System Dimensions	Φ79x306mm	Φ79x306mm	Φ79x355mm	Φ79x355mm
Parachute Component Weight	7.6kg	9.3kg	11.3kg	12.5kg
Packaging Method	Soft Pack	Soft Pack	Soft Pack	Soft Pack
Container Dimensions	30x25x15 cm	35x25x15 cm	15×26×50cm	40×14×34cm
Total System Weight	9.8kg	11.5kg	13.8kg	15kg
Deployment Time (at 90 km/h level flight)	6 s	6 s	6 s	6 s
Minimum Deployment Altitude (at 90 km/h level flight)	90 m	100 m	120 m	140 m
Maximum Deployment Load	6g	6g	6g	6g
Maximum Descent Rate (at 1500 meters standard daytime temperature)	≤7m/s (equivalent to a fall from a height of 2.5 meters)	≤7.5m/s (equivalent to a fall from a height of 2.9 meters)	≤7.5m/s (equivalent to a fall from a height of 2.9 meters)	≤7.5m/s (equivalent to a fall from a height of 2.9 meters)
Closure System	Yes	Yes	Yes	Yes
Main Canopy Area	92 ㎡	110 ㎡	140㎡	175㎡
Total Ejection System Thrust	400NS	400NS	700NS	700NS
Rocket Motor Burn Duration	1±0.1 s	1±0.1 s	1±0.1 s	1±0.1 s
Rocket Activation Method	Manual Activation Flight Control Activation	Manual Activation Flight Control Activation	Manual Activation Flight Control Activation	Manual Activation Flight Control Activation
ECU Communication Protocol	CAN/RS-232/PWM	CAN/RS-232/PWM	CAN/RS-232/PWM	CAN/RS-232/PWM
ECU Power Input	12-36v	12-36v	12-36v	12-36v
Operating Temperature Range	- 40°C - +60°C	- 40°C - +60°C	- 40°C - +60°C	- 40°C - +60°C
Maintenance Interval	6 years	6 years	6 years	6 years
System Service Life	12 years	12 years	12 years	12 years

*Customized Service Available

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