

Electronic Device	Apra	Pnut	Firefly	AltimeterOne	AltimeterTwo	AltimeterThree	MicroPeak	MicroSplash	Stratologger CF	TeleMetrum	EasyMini	AIM 3	TeleMega	BeepX	MicroBeacon	TeleGPS	MiniTimer4	Triple-Fire
Manufacturer	PerfectFlite	PerfectFlite	Perfectflite	Jolly Logic	Jolly Logic	Jolly Logic	AltusMetrum	AltusMetrum	PerfectFlite	AltusMetrum	AltusMetrum	Entacore	AltusMetrum	Transolve	Pratt Hobbies	AltusMetrum	PerfectFlite	Transolve
Class	Altimeter	Altimeter	Altimeter	Altimeter	Altimeter	Altimeter	Altimeter	Altimeter	Dual Deploy	Dual Deploy	Dual Deploy	Dual Deploy	Dual Deploy	Locator	Locator	Locator	Staging	Staging
Data																		
In-Field Data Output	Beeps	Beeps	LED	On-screen	On-screen	Mobile App	LED	LED	Beeps	Ground Station/Beeps	Beeps	Beeps	Ground Station/Beeps	N/A	N/A	Ground Station	N/A	N/A
Records Peak Altitude	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	Yes	N/A	N/A
Records Peak Speed	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	Yes	N/A	N/A
Records Peak and Average Acceleration (Gs)	No	No	No	No	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	N/A	N/A	No	N/A	N/A
Records Booster Burn Time	No	No	No	No	Yes	Yes	Yes	Yes	Derivable	Yes	No	Derivable	Yes	N/A	N/A	No	N/A	N/A
Records Coast to Apogee Time	No	No	No	No	Yes	Yes	Yes	Yes	Derivable	Yes	No	Derivable	Yes	N/A	N/A	No	N/A	N/A
Records Apogee to Ejection Time	No	No	No	No	Yes	Yes	Derivable	Derivable	Derivable	Yes	No	Derivable	Yes	N/A	N/A	No	N/A	N/A
Records Time to Apogee	No	No	No	No	Yes	Yes	Derivable	Derivable	Derivable	Yes	No	Derivable	Yes	N/A	N/A	No	N/A	N/A
Records Ejection Altitudes	No	No	No	No	Yes	Yes	No	No	Derivable	Derivable	Derivable	Derivable	Derivable	N/A	N/A	No	N/A	N/A
Records Ejection Times	No	No	No	No	Yes	Yes	No	No	Derivable	Derivable	Derivable	Derivable	Derivable	N/A	N/A	No	N/A	N/A
Records Flight Duration	No	No	No	No	Yes	Yes	Yes	Yes	Derivable	Yes	Yes	Derivable	Yes	N/A	N/A	No	N/A	N/A
Displays Current Altitude	No	No	No	Yes	No	Within BT Range	No	No	No*	At Ground Station	No	No	At Ground Station	N/A	N/A	At Ground Station	N/A	N/A
Records Temperature	No	Yes	No	No	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes	N/A	N/A	No	N/A	N/A
Data Downloadable	No	Via Transfer Kit	No	No	No	Bluetooth to iOS or Android Device	Via MicroPeak Adapter	Via MicroPeak Adapter	Via Transfer Kit	Via Telemetry, USB Cable	Via USB Cable	Via USB Cable	Via Telemetry, USB Cable	N/A	N/A	Via Telemetry, USB Cable	N/A	N/A
# of Flights Stored	1	31	1	100	100	Varies (6hrs)	1 (48s)	1 (48s)	16	Varies (80min)	Varies (10min)	Varies (30min)	Varies (40min)	N/A	N/A	Varies (default 4 @ 4hrs ea)	N/A	N/A
Max Altitude (Ft)	103,500ft	103,500ft	103,500ft	29,500ft	29,500ft	29,500ft	100,000ft	100,000ft	100,000ft	100,000ft	100,000ft	38,615ft	100,000ft	N/A	N/A	50,000ft	N/A	N/A
Sampling Rate	20/s	20/s	20/s	25/s	25/s	25/s	5/s	5/s	20/s	100/s Ascent 10/s Descent	100/s Ascent 10/s Descent	10/s	100/s Ascent 10/s Descent	N/A	N/A	GPS 1/s	N/A	N/A
Altitude Precision	1ft/2ft/5ft	1ft/2ft/5ft	1ft/2ft/5ft	1ft/1m	1ft/1m	1ft/1m	8in/.2m	8in/.2m	1ft/2ft/5ft	8in/.2m	8in/.2m	1ft/.3m	8in/.2m	N/A	N/A	8in/.2m	N/A	N/A
Measurement Units	Imperial	Imperial	Imperial	Imperial/Metric	Imperial/Metric	Imperial/Metric	Metric	Metric	Imperial	Imperial/Metric	Imperial/Metric	Imperial/Metric	Imperial/Metric	N/A	N/A	Imperial/Metric	N/A	N/A
Usage																		
Use in rockets (Projectile Trajectories)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Use in Kites, Birds, Airplanes, Balloons (Non-Projectile Trajectories)	No	No	No	Yes	No	Yes	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	No
Can be used without electronics bay	No	No	No	Yes	Yes	Yes	No	No	No	No	No	No	No	No	Yes	Yes	No	No
TARC Approved	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Functionality																		
Barometric Pressure Altitude Sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No (GPS Alt)	No	No
Accelerometer	No	No	No	No	3-Axis	3-Axis	No	No	No	1-Axis, 102g	No	No	1-Axis 102g & 3-Axis 16g	No	No	No	Yes	No
Gyro Tilt Sensors	No	No	No	No	No	No	No	No	No	No	No	No	3-Axis	No	No	No	No	No
Magnetic Directional Sensor	No	No	No	No	No	No	No	No	No	No	No	No	3-Axis	No	No	No	No	No
Event Timer	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No
Telemetry	No	No	No	No	No	No	No	No	Addable	Built-in	No	No	Built-in	No	No	Built-in	No	Radio Control
Launch Trigger	~100ft AGL, Adjustable	~100ft AGL, Adjustable	100ft AGL	Constant	3-Axis Acceleration	Constant	30m in 5s	10m in 5s	~160ft AGL, Adjustable	20m in 5s, or 2 G accel & 5m/s vel for 5s	20m in 5s	60m/~200ft AGL	20m in 5s, or 2 G accel & 5m/s vel for 5s	Constant	Constant	Constant	2G for 0.5s	Constant
Programmable Sensor Channels	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0
Field Location Type	Sonic	Sonic	None	None	None	None	None	None	Sonic	GPS Coordinates, RDF Signal	Sonic	None	GPS Coordinates, RDF Signal	Sonic (105dB)	Red LED, Sonic (<105dB)	GPS Coordinates, RDF Signal	Sonic	Sonic (105dB)
Dual Deployment																		
Dual Deployment Capable	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes
Pyro Channels	0	0	1	0	0	0	0	0	2	2	2	2	6	0	0	0	1	3
Peak Velocity Ejection Mode	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	Yes	No	N/A	N/A	N/A	N/A	No
Apogee Ejection Mode	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	No
Altitude Ejection Mode	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	No
Timed Ejection Mode	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	No
Manual/Remote Control Ejection Mode	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	N/A	N/A	N/A	N/A	Yes
Configurable Velocity Ejection Mode	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	Yes	Yes	No	Yes	N/A	N/A	N/A	N/A	No
Time Delay (For Redundancy)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes, 0-5s	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	No
Staging & Clustering																		
# of Controllable Air-start Stages	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	1	3
# of Controllable Air-start Clusters	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	3
Timer Range	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0 to 99.9s	N/A
Timer Precision	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.1s	N/A
Timer Accuracy	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	+/- 2%	N/A
Misc																		
Price	\$42.75	\$69.49	\$24.95	\$49.95	\$69.95	\$99.95	\$50.00	\$50.00	\$58.80	\$321.00	\$85.60	\$115.00	\$428.00	\$36.66	\$12.00	\$214.00	\$48.10	\$119.97
Data/Starter Kit Price	N/A	\$34.61	N/A	N/A	N/A	N/A	\$50.00	\$50.00	\$34.61	\$107.00	N/A	N/A	\$107.00	N/A	N/A	\$107.00	N/A	N/A
Built-in Battery	12V A23 Incl.	3.7V LiPo Incl.	CR1025 Incl.	Yes	Yes	Yes	CR1025 Incl.	CR1025 Incl.	No	No	No	No	No	12V A23 Incl.	12V A23 Not Incl.	No	No	No
Recommended External Battery	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4V to 16V	3.7V LiPo	3.7V to 12V	3.7V to 12V	3.7v LiPo	N/A	N/A	3.7v LiPo	9v	9v-15v
Battery Charging	Replace	Cable to 9V	Replace	USB (Cable Incl)	USB (Cable Incl)	USB (Cable Incl)	Replace	Replace	N/A	USB	No	N/A	USB	Replace	Replace	USB	Replace	Replace
Min Payload Area Diameter	24mm	24mm	18mm	24mm	24mm	24mm	18mm	18mm	24mm	29mm	24mm	29mm	29mm	41.6mm	24mm	29mm	29mm	54mm
Min Payload Area Length	3in	3in	1.25in	2.5in	2.5in	2.5in	3/4in	3/4in	2.5in	10in	2in	3in	11in	3in	3in	9in	4in	4in