UAVSale

Sounding Rockets

MD-P00737 · md-sounding-rockets

Sounding rockets are rockets used for detection and scientific experiments in near-Earth space. Sounding rockets can be used to detect the structural components and parameters of each layer of the atmosphere in the height direction, and to study various solar-terrestrial physical phenomena such as t

TECHNICAL SPECIFICATIONS

Detection height	10hPa~1100hPa
Temperature measurement	-50C~60 C
Humidity measurement	0~100%RH
Pressure measurement	10hPa~1100hP
Rocket diameter	50mm
Power supply	1h
Storage time	>2years
Receiving distance	>25km
Rocket detection success rate	95%
Max.Diameter (mm)	82
Total Length	1570
Launch Mass	8.9
Height(km)	8.0+0.5
Effective probing altitude range	0~7
Landing velocity of rocket sonde (m/s)	6 1
Pressure range (hpa)	10-1100
Wind Speed Range (m/s)	0～25
Frequency of data collection (Hz)	1
Continuous working time (min)	>120
Probing Items	temperature, pressure,humidity, wind speed, inddirection and 3D coordinate of measure points
Storage period	3 years
Load compartment outer diameter	398mm

Flight altitude	120km
Rocket body length	6m
Payload Weight	50kg
Take-off mass	620kg
Take-off thrust	120kN
Take-off weight	2900kg
Microgravity level	10g
Microgravity test time	6.5min

CERTIFICATION

Certification status is confirmed per order and is not published in the catalogue listing. Request the current declaration, test reports or conformity certificates from our sourcing team.

ORDERING INFORMATION

Model	Sounding Rockets
Part number	MD-P00737
Lead time	30 days
Minimum order	1 unit
Supply	made_to_order

Generated from the UAVSale product catalogue. Figures are manufacturer-supplied and subject to configuration. For the current revision and full documentation set, contact our sourcing team.