

CAST-zero+

Chaff and flare emulator with stray voltage tester



Improve your safety while handling airborne self-protection systems with CAST-zero+ from RUAG Aviation – a versatile, unique and user-friendly electronic chaff and flare emulator with advanced stray voltage testing functionalities.

Comprehensive and reliable testing of self-protection systems

CAST-zero+ (Countermeasure Advanced Safety Test Equipment) raises the safety of your personnel and equipment to an outstanding level by enabling the fast and reliable testing of dispenser voltage levels. In addition, CAST-zero+ performs advanced chaff and flare emulations by covering the entire range of possible dispenser operating modes. CAST-zero+ is intended for ground use only.

Versatile

- Stray voltage tester and chaff/flare emulator in one device
- Can be used to reproduce all possible dispensing scenarios
- Deployable in all types of dispensers using 1x1" cartridges
- Can also emulate the misfired status of a dispensable
- Dispenser can monitor firing and inventory status
- End-to-end testing, particularly if combined with our 4-in-1 sensor tester missim

Cost-effective

- Reusable
- Rechargeable
- Easy shipping
- No pyrotechnics or hazardous material requiring special handling

Reliable

- Simple and robust
- Design based on the proven CAST-easy model

User-friendly

- Dispenser voltage measurement and chaff/flare emulations available at the push of a button
- Optional IR remote control to allow easy, simultaneous operation of several units

Together
ahead. **RUAG**

Functionalities	Dispenser stray voltage test	All functionalities can be set either by pressing the front button or by using the optional IR remote control.
	Chaff/flare emulation	
Physical	Dimension	1" x 1" x 8" (~25mm x 25mm x 206mm)
	Weight including battery	132g typ.
	Temperature (storage and operational)	-20°C to +50°C (Charging at 0°C to 45°C)
	Altitude (storage and operational)	30 000 ft asl
Electrical	Squib characteristics	1 Ohms ±15% (un-fired) / >500 Ohms (fired)
	Firing current	> 4.25A (dc)/15ms
	Polling current (no fire)	< 1A (dc)/300s max.
	Voltage sensitivity	52 mV (50 +/- 2mV)
Certification	MIL-STD-810F	Vibration, shock, temperature, altitude, dust, humidity, salt, rain, ESD, EMC
Shelf life	Unlimited (with no battery installed)	
Standby time	More than 200 days (fully charged battery)	
Operational time	More than 25 hours (fully charged battery)	

Compatibility

CAST-zero+ is not dispenser specific and is compatible with 1x1" standard countermeasure cartridges.

Dispensing systems using 118 square format cartridges (selection)

Saab EDS	BOP-L family
Thales	Vicon 78 Series 455

Shipping Information

Designation: CAST-zero+
 Part Number: 1020549-001
 Packaging units: 40 pcs. packed per box
 Each shipping package includes handling instructions.

