

CAST-zero+

Chaff and flare emulator with stray voltage tester



➤ Improve your safety while handling airborne self-protection systems with CAST-zero+ from RUAG – 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

➤ SPECIFICATION DATA

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|-------------------------|--|---|
| Functionalities | Dispenser stray voltage test Chaff / flare emulation | All functionalities can be set either by pressing the front button or by using the optional IR remote control. |
| Physical | Dimension Weight including battery Temperature (storage and operational) Altitude (storage and operational) | 1" x 1" x 8" [-25mm x 25mm x 205mm] 120 typ. -20 °C to +60 °C (Charging at +10 °C to +45 °C) 30 000 ft asl |
| Electrical | Squib characteristics Firing current Polling current (no fire) Voltage sensitivity | 1 Ohms ±15% (un-fired) / >500 Ohms (fired) > 4.25A (dc) / 15ms < 1A (dc) / 300s max. 52 mV (50 +/- 2mV) |
| Certification | MIL-STD-810F CISPR 11 EN61000-4-2 | Vibration, shock, temperature, altitude, dust, humidity, salt, rain EMC ESD |
| 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.

