

# CAST-easy



Simplify your training on airborne self-protection systems with RUAG Aviation's flyable CAST-easy – a unique electronic chaff-and-flare simulator for simple and effective testing of the dispenser unit.

## Description

CAST-easy (Countermeasure Advanced Safety Test Equipment) reduces systematic risk by providing effective training, preventive testing and troubleshooting of self-protection solutions.

It is a unique electronic chaff-and-flare simulator for simple and effective self-protection training of the dispenser unit. Containing no pyrotechnics, CAST-easy can be used for training purposes in the air, on the ground and in labs, and is a safe direct replacement for standard chaff-and-flare cartridges.

CAST-easy is versatile, cost-effective and easy to use.

## Cost Effective

- Reusable
- Unlimited shelf life
- No maintenance required
- Easy shipping – no hazardous material, no pyrotechnics

## Versatile

- Dispensable anywhere – in the air, close to airfields, at low altitudes, on the ground, in labs
- No geographical restrictions
- Not dispenser specific – compatible with all dispensers using 1 x 1" cartridges

## Benefits

Clearly visible dispensing status – can be reset at the push of a button

Dispenser system can monitor firing and inventory status

No pyrotechnics – reduced logistics and handling effort

Maintenance-free

Qualified for harsh environmental conditions

Troubleshooting: end-to-end testing (combined with RUAG Aviation's missim)

RTCA/DO-160G airworthiness certified

## Specification Data

<b>Handling</b>	Firing Indication	Coloured button pops to the front
	Reloading Procedure	Push the coloured button in
<b>Durability</b>	Loading/Unloading into Magazine	At least 500 cycles
	Dispensing/Reloading	At least 2000 cycles
<b>Physical</b>	Dimension	1" × 1" × 8" (~25 mm × 25 mm × 206 mm)
	Weight	180 g typ.
	Temperature (storage and operational)	-55 °C to +70 °C
	Altitude (storage and operational)	50'000 ft max.
<b>Electrical</b>	Squib Characteristics	1 Ohms ± 15% (un-fired)/open (fired)
	Firing Current	> 4.25A (dc)/15 ms
	Polling Current (no fire)	< 1A (dc)/300 s max.
<b>Airworthiness Qualification acc. to</b>	RTCA/DO-160G	Vibration, Shock, Temperature, Altitude, Dust, Water, Salt Spray, Icing, ESD
<b>Shelf Life</b>	unlimited	



### Compatibility

CAST-easy is not dispenser-specific, is compatible with standard 1 × 1" countermeasure cartridges and is qualified for use even in the harshest of environmental conditions.

To best suit your requirements and to prevent CAST-easy from being mistaken for live ammunition, this pioneering troubleshooting solution is available in a variety of colours.

### Dispensing Systems using 118 square format cartridges (selection)

BAE Systems	ALE-47, ALE-40, M-130
Rokar	Smart Dispenser 1" × 1" × 8"
EADS Cassidian	Smart Dispenser 1" × 1" × 8"
MBDA	SAPHIR, ELIPS, SPIRIT
Saab EDS	BOP-L family
Terma	ACMDS, ALQ-213
Thales	Vicon 78 Series 455

### Shipping Information

- Designation: CAST-easy 118
- Packaging units: 40 pcs. packed per box
- Each shipping package includes handling instructions
- CAST-easy is subject to international export regulations

