

Fuze Technology – MINI SAU



Overview

Teledyne offers the Artillery Fuze or Mini SAU, as the latest and smartest generation of Fuze technology for munitions.

Safety control and activation during flight are identifiable as critical components to support the safe initiation of Maritime, Aerospace and Land based missile equipment.

The Fuze is fully programmable in its design, allowing for multiple platform use, which in turn reduces the high burden of operational logistics.

The design expands on the already proven and established EFI technology used by Teledyne.

Designed to meet the latest STANAG and DEF-STAN requirements and with a conscious vision towards future requirements.

The compact design and specialist adapter threading allows for termination into both existing and new applications.

Features at a Glance

- High Speed, in-line electronic initiation of warheads.
- Supports IM (Insensitive Munitions) compliance
- Fully independent electronic launch sensing
- Utilises low Energy EFI (LEEFI) Technology
- High Reliability electronic solutions
- European design and sourced materials (ITAR FREE)
- Insensitive Munition (IM) compliant technology
- Critical and accurate timing control
- Extremely robust to both mechanical shock & electromagnetic pulse
- Single, tandem and multipoint configurations with high accuracy timing.

Typical Applications

- Tank munition
- Self-propelled rounds
- Large calibre munition

General Data

Mechanical Outline

To meet user defined requirements

Electrical Characteristics

Overall Diameter (excluding connections)	40mm nom	Arm time (AE1+AE2)	Less than 50ms (after start of AE2)
Net Weight	0.3kg approx.	Post Impact Firing Delay	0 - 100ms
Electrical Environments	As per MIL-STD-461	Pyrotechnic Material	HNS (LEEF1)
Mechanical Environments	As per MIL-STD-810	Storage Temperature	-55°C / +85°C
Safe Distance Measurement	50m MIN - 10000m MAX		

For further details on this product or to arrange a presentation of Teledyne Energetics full portfolio of products, please contact: teledyne-e2v.com/RF

ABOUT US

Teledyne Energetics (UK), a division of Teledyne Defence Electronics, is a market leader in design and development of electronic safety and initiation technology. Delivering products that are integrated into defence and aerospace platforms around the world.