

ResheFuze TK129

Tank Electronic Multi-Functional Fuze System

The **TK129** is a sophisticated programmable Electronic Fuze System for main battle tanks against targets other than tanks. The **TK129** is a multi-functional fuze system designed for 120 mm guns and with communication capabilities with the fire control system of the tank.



Safe



Accurate



Reliable



Delivers Top
Performance



Battle Proven
Electronic Fuzes

TK129 Tank Electronic Multi-Functional Fuze System

Compatibility

120mm tank guns, for use with APAM ammunition. The TK129 is a multi-functional fuze system that can provide rapid and lethal direct fires in support of assaulting infantry, penetrating bunkers and buildings with maximum resulting damage. It can destroy light armored vehicles, and also destroy helicopters for self-defence.

Time Delay Setting

Automatic setting: Range data is derived from the fire control system of the tank, and then translated into the time-setting. This is then transmitted to the fuze, through induction methods.

Automatic setting system: Automated by the system, through receiving coil. The data is kept in memory for a practically unlimited period of time, or until it is reset, generated by the fire control system.

Accuracy

The maximum range deviation of the fuze is 10m. The standard deviation of the delay error is less than 0.01 seconds.

Safety & Arming

By two independent arming mechanisms: Set-back force of 450g minimum and sustained air flow.

Power Supply

Air driven alternator.

Temperature Conditions

Operation: From -40°C to +63°C

Storage: From -46°C up +71°C

Physical Description

Overall length: 195.4mm maximum
Intrusion size: 38.1mm maximum
Cross section diameter: 61.2mm
Thread size: 2"-12UNS-1A
Weight: 725 ± 25gr

Military Standards

MIL-STD-331: Environmental and performance tests for fuze and fuze components.
MIL-STD-333: Fuze, projectiles and accessory contours.
STANAG 4187: Fuzing system - safety design requirements.
MIL-STD-1316: Fuze design, safety criteria.

Explosive Output

30g black powder.



TK129

About Reshef Technologies

Reshef Technologies obtains three decades of experience in the development, design and production of electronic fuzes for artillery, mortar, tanks, rockets and loitering munitions.

Reshef Technologies is the main supplier of these battle proven fuzes to the Israeli Defense Forces (IDF) - one of the world's most advanced armed forces.

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