



# SAAB



## AT4

### – A FULL SPECTRUM ATW TRAINER

Saab's AT4 trainer – the standard or CS version – is the perfect choice for all aspects of weapons training. Only realistic training gives soldiers the necessary experience to make the right decisions in real combat situations. Soldiers win by using correct drills and procedures, and lose by not doing so. The realism and experience provided by the AT4 trainer gives gunners performance confidence. Soldiers obtain all the necessary weapons skills, and in critical combat situations, benefit by these skills.

The AT4 trainer is transparent to gunners and takes them as close to live firing as you can get. It has the correct form, fit and function, including realistic weight, shape and balance. The simulator implements a sophisticated gyro-stabilized simulation that requires soldiers to apply correct weapons handling procedures,

including distance estimation, lead angle and elevation. When launched, the projectile path is similar to that of a real missile and requires that soldiers follow standard army operating procedures in engagements. The AT-4 can be used as a basic gunnery training system as well as in tactical training. Weapons signatures are simulated either by the use of pyrotechnics or by loudspeakers and lights. These features allow military forces to have just one AT-4 weapons system that supports the entire training cycle.

#### **Sophisticated gunner feedback**

The AT4 trainer is equipped with a display for visual user feedback and a speaker for verbal audio information and weapons sounds. This gives gunners instant feedback without forcing them to move from their firing positions, which enables efficient repetitive training. The presentation includes firing sounds, firing results, distances and corresponding hit coordinates, as well as information on ammunition quantities, the training mode selected, BIT testing and battery level status.

#### **Easy introduction**

With its display and comprehensive audio cues, the simulator is a perfect platform for experiential learning. The transparency of the solution, replicating all live procedures, makes the introduction to this training tool very easy. After battery insertion, it automatically powers up and within a few seconds is ready for a gunnery session or a combat exercise – the choice is yours.

#### **Safety aspects**

Safety for gunners and surrounding personnel is a critical factor in the design of the weapon simulator. The material used in the surrogate weapon is evaluated to be safer than all other alternatives, especially in comparison to the use of fired “empty” launches designed for one live round only. Laser safety, unconditionally eyesafe, and the use of well-proven pyrotechnical devices give your forces the most advantageous training system available.



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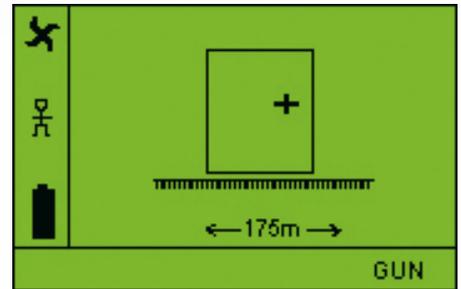
### Instructor tools

Instructors play an essential role in all training. The instructor tool gives them the capabilities to provide objective and timely feedback, both on the individual and collective levels. Instructors can plan, prepare, execute and evaluate gunnery training. Cost-efficiency, performance improvement and positive learning curves are among the results. Each gunner is individually evaluated and given positive training feedback relevant to the specified training objective. Feedback can be given both in real-time and as an After Action Review (AAR). The software takes into account event information such as engagement times, aim coordinates, aiming procedures, hit information, etc. and presents the data as statisti-

cal reports, qualification results etc. The feedback can be viewed both on printouts and as on-screen presentations. The on-screen presentations can be interactive and sequences can be replayed. With the real-time feature, a larger number of gunners can be monitored and instructed simultaneously by one instructor.

### Modern, proven and in use

Using the latest technology allows international customers, including NATO nations, to optimize weapons system training.



### Capabilities

• = Standard O = Optional

Surrogate weapons – actual shape, weight and balance	•
Requires correct weapons handling procedures, including lead angle and elevation	•
Ballistic simulation (i.e. correct time of flight, lead angle and elevation for all effective firing distances)	•
Instant gunnery feedback, text menus and audio feedback in English (native language option)	•
Laser Class 1, unconditionally safe	•
Light and loudspeaker for fire simulation	•
Pyrotechnical fire signature, Flash Bang Smoke Simulation (FBSS)	O
Instructor tool offline	O
Instructor tool online (real-time)	O
Power supply, Li-ion 10.8V	•