APEXO

OFS®

# AFS
# Apex0 Firing System

# The Absolute Firing Solution

❖ **The Most Accurate Ballistic Engine**

❖ **Multi-Caliber Rifle Compatible**

❖ **User Friendly & Multifunctional**

❖ **Customizable Wind Clock**

❖ **Geotagged Range Card**

# Distance within your reach

# The Absolute Firing Solution

| | ApexO Firing System |
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| Ballistic Engine | Ballistic engine using ApexO's proprietary algorithms. (Not based on BC from 1850s) |
|---|---|
| | Simulations based on real cartridges muzzle velocities and real aerodynamics properties |
| | Management of all flight regimes (Supersonic, Transonic and Subsonic), spin & wind drift |
| | Internal ballistic algorithms (Velocity vs Temperature) |
| | Intermediate ballistic effects consideration |
| | Terminal ballistic simulator (Energy and angle at target) and moving targets |
| | Integrated ICAO – ISA 1976 Atmospheric model, Coriolis and Eötvös consideration. |
| | Cartridges in the AFS are deeply analyzed & simulated for precise results in any conditions |
| | Proprietary aeroballistics profiler to create ammunition & determine their ballistics profiles. |
| | Developed with deep expertise in ballistics, sniper ammunition development, testing and industrialization |
| **Versatility** | Management of night optics/thermal sights effects on the weapon zero |
| | Management of sound suppressor and muzzle break effect on the weapon zero |
| | Sniper, Spotter and Targets positions (MGRS & Latitude-Longitude) |
| | Sniper, Spotter and Observer mode (geo-referenced range card & Mortar/Artillery Fall of shots) |
| | Automatically calculate the grouping size and its Mean Point of Impact from a target's picture. |
| **Multi-Caliber Rifle Compatible** | Multiple Systems Configurations and management of all zeroing info/offsets |
| | Multiple barrels per weapon, with their own zeroing info for each configuration (Management of calibers' offsets). Two barrels can be zeroed at two different distances on the same weapon. |
| | Personalized firing table for each system configurations |
| **User Friendliness** | Developed with snipers and spotters, for snipers and spotters |
| | User can select their default unit of measure combining Imperial & English units |
| | Light & intuitive user interface to quickly find/enter the required information in day and night mode |
| | Customizable and multilingual |
| **Compatibility** | RS 232, Wifi, USB and Bluetooth compatible. Compatible with all **VECTRONIX & NEWCON** Laser Range Finders, SAGEM JIM LR and **Kestrel** MetStation. Also Compatible with the **DAGR** GPS (DAGR output set to NMEA mode). Any other sensors / devices can be integrated on demand. |
| **Computer & Software Specifications** | **Available in "Android" rugged mobile computers (Rugged & IP68 or MIL-STD-810 & IP68) or as a standalone software to be installed on your compatible Android device.**<br><br>Software: Compatible with Android 5.0 and above<br>Rugged devices: IP68 and MIL-STD810 models available based on Android 7.0 and above<br><br>**AFS PC Desktop version compatible with "Windows 7 to 10" Operating System**<br>Different levels and modules available (Sniper, Master Sniper, Network) |
| **OPTIONS** | Compatible with ACOEM/METRAVIB **PEARL/PILAR** Gun Shot Detection System.<br><br>The **PEARL** can be mounted on the top of the **CADEX** surveillance kit<br><br>All **AFS®** products can be delivered pack into a Canadian Made **NANUK®** Rugged Carrying case.<br><br>ApexO offers a wide range of Rugged Computers for all your needs. |
| **TRAININGS** | **ApexO provides training for all AFS® products with valuable ballistic theory content.**<br><br>**ApexO also provide Theoretical Advanced Ballistics Training (No need to be an AFS® user)**<br><br>**ApexO can also bring experts for providing Long Range Shooting Training Sessions.** |

# ApexO's Expertise Within Your Reach