Adaptive Calibration

This unit must be calibrated after it is setup for shooting. This is done by turning the unit **Off** and then **On**. Rapidly changing numbers indicate the unit is calibrating. Calibration is finished when display flashes between `CAL:` and calibration results. You must press **<ENTER>** key to acknowledge calibration results, otherwise the unit will not accept shots. If any key is pressed before calibration is finished then calibration fails and you must start over again.   The unit will not accept shots without successful calibration.

Indoors calibration results

-490 to -511 Fluorescent lights
-350 to -450 Fluorescent mix
-300 to +300 Functional range
+350 to +511 Too dark

Outdoor calibration result

-490 to -511 Bad conditions
-450 to -350 Need diffusers
-300 to +300 Functional range
+350 to +511 Too dark

Marginal calibration results

+250 to +511 Too dark
-350 to -511   Bad conditions
Diffusers may be used when calibration result is marginal.

One Key functions

<POWER>-Turn the unit on or off
<UNITS>——Flip between meters and feet
<ENTER>—Display least significant digits
<DATA>——Set Data Mode, review shots
<STATS>——Set Stats Mode, review stats
<MENU>——Display model number

Two Key functions

<ENTER + POWER>–Battery power level
<ENTER + UNITS>——Muzzle blast Ctrl-1
<MENU + DATA>——Delete current shot
<MENU + STATS>——Clear memory
<MENU + POWER>–Turn sensors off
<MENU + UNITS>——Select CF-Mode
<DATA + STATS>——Find stats-shot pos.

Three-key functions

<MENU + ENTER + DATA>——Undo delete shot
<MENU + ENTER + STATS>——Undo clear memory
<MENU + ENTER + POWER>——Data recovery
<ENTER + POWER + STATS>——Muzzle blast Ctrl-2
<ENTER + POWER + UNITS>——Archery On or Off
<ENTER + POWER + DATA>——Load demo shots
< DATA + MENU + UNITS >——Emergency Reboot

Units, Metric & USA

`.NE..` Meters selected
`.FE.` Feet Selected
`.08..` Shot **08** in meters
`.08.` Shot **08** in feet

Archery & Muzzle blast

`Arc.1` Archery **On**
`Arc.0` Archery **Off**
`Nbc0` Muzzle blast **00%**
`Nbc3` Muzzle blast **30%**
`Nbc8` Muzzle blast **80%**

Statistics List

`.Lo.` Low
`.Hi.` High
`.Au.` Average
`.ES.` Extreme Spread
`.Sd.` Standard Deviation
`.Pd.` Percent STD
`.fo.` Total Shots

`.En.` Energy (**CF**)
`.PF.` Power Factor (**CF**)

Errors and Alarms

Flashing colon, sensors are turned off, unit will not accept shots unless recalibrated.
Flashing decimal points, calibration failed, conditions are bad, must fix the problem.
Flashing decimal points or colon, conditions have changed it requires recalibration.
Flashing last digit, the number is greater then *9999.99*, press **<ENTER>** key for more.

Chronograph Errors

`Err1` Missed front sensor
`Err2` Missed middle sensor
`Err3` Missed Rear sensor
`Err4` Possible Muzzle Blast
`Err7` EMI Interference

Battery Alarms

`Prr1` Low power
`Prr2` Almost dead
`Prr3` Totally dead

Memory Errors

`Nrr0` Memory full
`Nrr1` One shot left

Operator Errors

`Orr1` Trash bin empty
`Orr2` Memory not clear
`Orr3` Access denied
`Orr8` Access violation

CF-Mode, One Key MAIN-functions

<Up>——Scroll Backwards Data/Stats/Menu
<Down>—Scroll Forward Data/Stats/Menu
<ENTER>–Display lower digits
<DATA>—Set Data Mode, to view shots
<STATS>–Set Stats Mode, to view statistics
<MENU>—Set Menu mode. Move to next menu

CF-Mode, Two Keys STATS-functions

<STATS + Left>——Previous string stats
<STATS + Right>—Next string stats
<STATS + MODE>-Velocity/Temperature Stats
<STATS + UNITS>—USA/Metric units Stats
<STATS + DATA>—Find stats-shot position

REBOOT <DATA + MENU + UNITS>

CF-Mode, Two Keys DATA-functions

<DATA + Left>——Next string data
<DATA + Right>——Previous string data
<DATA + MODE>—Velocity/Temperature data
<DATA + UNITS>——USA/Metric units data

CF-Mode, MENU-functions

<ENTER>——————Display or Execute
<ENTER + Up>———Change value up
<ENTER + Down>——Change value down
<MENU + ENTER>——Move menu left

CF-Mode, SYSTEM-functions

<ENTER + POWER>———Battery power level
<MENU + POWER>———Turn power Off
<MENU + UNITS>————Select **CE-Mode**

CF-Mode is only available from **CF-Models**. These can operate, either in **CE** or **CF-mode**.

CE-Models will only operate in **CE-mode**.

CF-Models are advance units with menu driven user interface. Visit **www.chrontar.com**