

# CHRONOEXE

Measurement interface for ballistic chronographs

## Functions

COM ☒ ← Select COM port

OPEN ← Open / Close COM port

LOAD ← Load data from a TXT or CSV file

SAVE ← Save data to a TXT or CSV file

CLEAR ← Clear data

0.54 g ← Projectile weight ( g-grams, gr-grains )

☐ ☒ ← Chart : Automatic scrolling of SHOTS axis / dynamic scaling

☒ ☐ ← Mix units ( J, m/s, grains ), ( ft-lb, ft/s, grams )

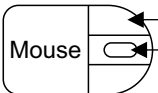
☒ ☐ ← Switch between Metric and Imperial units

☒ ← Auto, Auto50: Dynamic scaling of the VELOCITY axis


X0 ← Jump to the start of the SHOTS axis

XN ← Jump to the end of the SHOTS axis

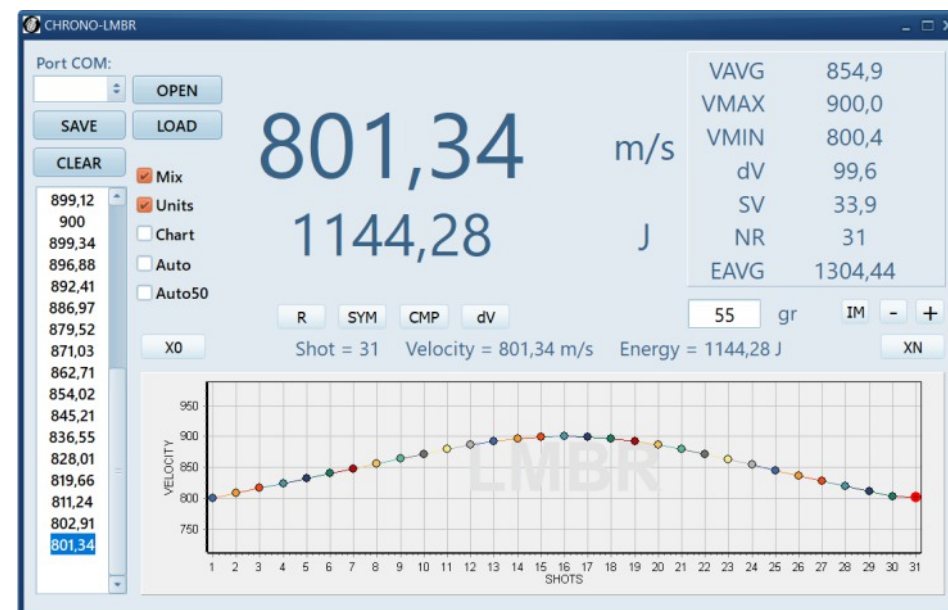
+ - ← Zoom in / Zoom out on the SHOTS axis

Mouse  ← LPM (Left Mouse Button) – Drag/pan the chart

SCROLL: Zoom in / Zoom out of the VELOCITY axis

 ← Mouse Cursor on point  
Point parameters are displayed above the chart

123.00 ← Mouse Cursor on the unit  
Point parameters are displayed above the chart



R ← Refresh screen or CTRL+R

SYM ← Symmetry (chart)

CMP ← Compare chart with file data

dV ← Velocity deviations (chart)

IMG ← Export chart and statistics to a JPG image

## Keyboard shortcuts

- CTRL+R Refresh screen
- CTRL+T Change data file format (CSV, TXT)
- CTRL+F Enable hybrid filter (chart filtering)

## Program startup

- Before use, please read the license terms: License.txt.
- Connect the chronograph to the PC via USB, USB-COM cable or Bluetooth.
- Turn on the chronograph and run the program (EXE file).
- Select the correct COM port and click OPEN to establish a connection, via cable or Bluetooth Classic.
- Program for Windows 7 SP1, Windows 8, Windows 10, Windows 11.
- Run as administrator or disable antivirus software (optional).

## INI file format

During the first launch, a configuration file \*.ini is created.  
Below are the parameters for user editing

```
[Settings]
Style=3
TXT=0
Multiplier=1
CheckBoxScroll=1
ComPort=
CheckBoxAuto=0
CheckBoxAuto50=1
MU=10
FREQ=0
GATE=0
A=0

[FILTER]
Filter=0
Shots=S(~)
Velocity=V(~)
[TXTCSV]
Folder= ./MYSHOTS
FileName=Chrono_$_
INDEX=001
[IMG]
Folder= ./IMG
FileName=Stat%_$_
INDEX=001
```

Change form style. Digits from 0 to 4  
Default file format: csv or txt.

Filter=0: filter disabled for data from COM port and loaded from files.  
The filter is active only for the chart. Activated by the CTRL+F shortcut.  
Filter=1: filter enabled.

Shots=S(~) filter inactive for the Shots axis.  
Velocity=V(~) filter inactive for the Velocity axis.

Default folders for saving files. Each saved file will have a name with a unique index. The \$ parameter links the filename with the INDEX.  
To place the index at the beginning, use the format: FileName=\$Name.  
Filename without index when "INDEX=".

The "Folder" parameter defines the access path.

## Dialog windows



- 1 Window for editing and receiving data from the chronograph or from a file. The R button or CTRL+R keyboard shortcut starts the calculation update.
- 2 Hovering the cursor over a plot point: displays point parameters above the chart. Use LMB (left mouse button) to select a point for editing in window No. 1.
- 3 Projectile mass in grams or grains.
- 4 Selection of the COM port for connecting the chronograph via USB cable, USB-COM, or Bluetooth Classic.