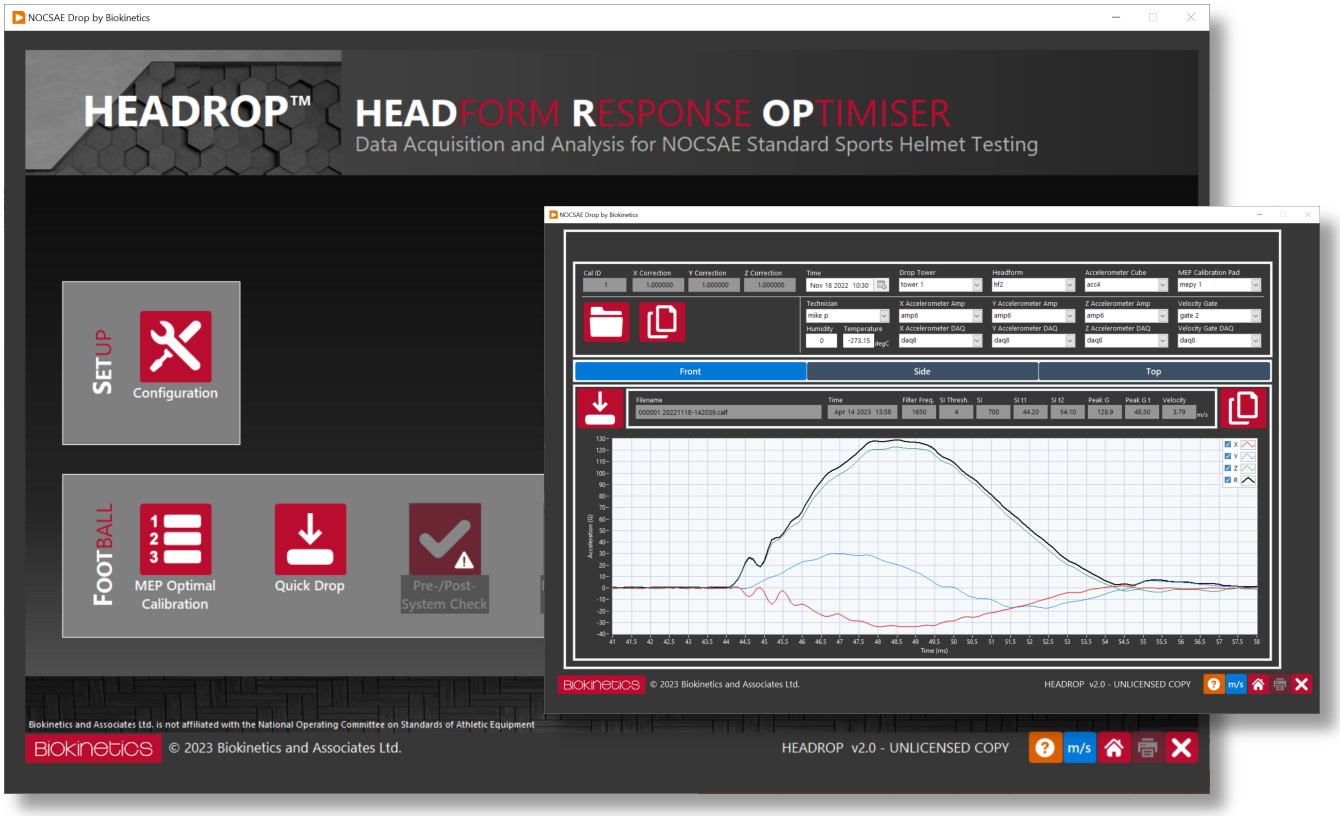
HEADROP™ 2.0

Quick and effective calibration of NOCSAE impact headforms

HEADROP – HEADform Response OPtimizer



Features:

- Facilitates the 'calibration' routine of NOCSAE headforms. Optimally computes the X-, Y-, Z- correction factors required for 1200 SI using a single drop in each orientation (Top, Side, Crown) in contrast to previous iterative approach. Lock in a completed calibration to prevent any future changes. Link a previously saved three-drop calibration with the optimal correction factors to any standardized test, no manual input is required.
- Immediately displays the SI and Peak G metric for each test including SI window and Peak G time.
- Records and saves all acceleration time histories for X-,Y-,Z-, and resultant. Previous tests can be easily reloaded into the software to verify past tests to search for anomalies.
- Exports data to a text file and soon to MS Excel® in raw and filtered forms. Can automatically export selected criteria to the Clipboard to save time and reduce transcriptions errors when using an external report template.
- Records administrative information for traceability - every test is linked to existing equipment configuration (e.g., drop tower, accelerometers, headforms, etc.)
- Requires an external velocity sensor input to the NI DAQ system, which is not included. Works with National Instruments data acquisition (DAQ) equipment (not included) used to measure headform accelerations.

Specifications

Distribution:	Per-seat license with hardware Dongle	Computer Requirements:	PC, Intel i5 or better, Windows 10 Requires 1080p screen resolution or higher
Data Acquisition:	Compatible ONLY with National Instruments PCIe or USB based data acquisition cards (32-ch max.)	Part Number:	HRO-001

(All specifications are subject to change)