

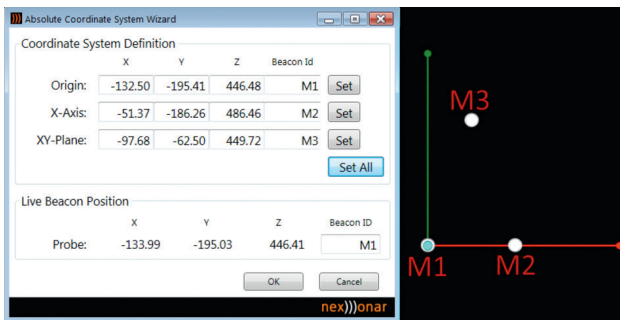
nex)))onar® Hard Probe

Properties

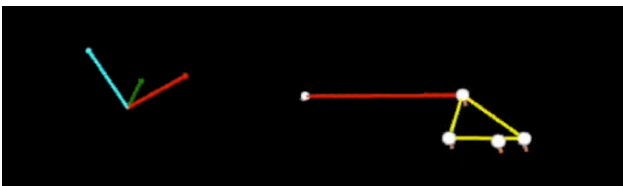
- Measurement accuracy up to 0,3 mm
- Variable number of test points
- Simple calibration routines are available
- Several Hard Probes can be used in parallel (e.g. with different points – identifiable by encoding the IR Tracker)
- Wireless (operating time with battery up to 12 hours)
- Micro USB battery charging port
- Software interface available for integration (C++, C#)

Usage

The Probe is used for learning X/Y/Z reference points in combination with the nexonar Motion Visualizer software as well as the nexonar Assembly Scout software. By using data keys, for example, a reference coordinate system can be programmed.



In addition, virtual reference points relative to the IR trackers can be programmed in the Motion Visualizer can be generated. The virtual points are then automatically calculated relative to the IR trackers in the Mocap system configuration and are available for the measurement application in real-time.



For integration into an existing application Hard Probe delivers the X/Y/Z coordinates. Optionally, nexonar Motion Visualizer data can be saved and exported in CSV format.

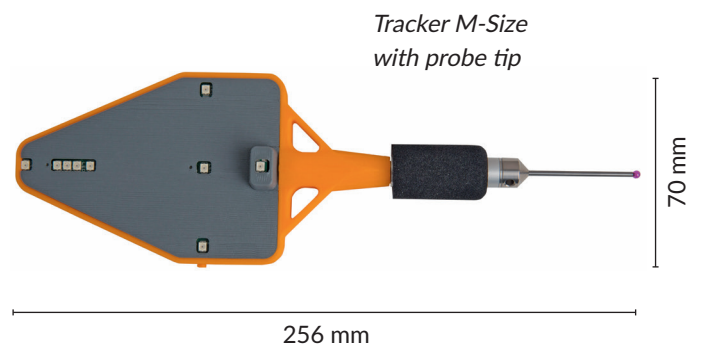
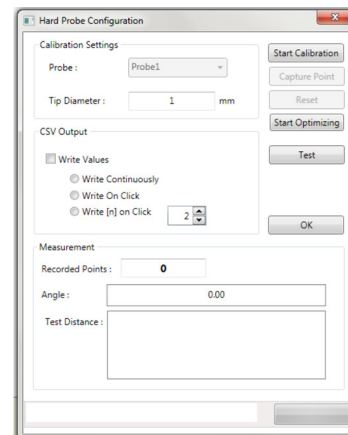
Optimized algorithms allow measurements with an accuracy of up to 0.3 mm.

The diameter of the probe tip and the length of the probe can be adapted to requirements. Calibration routines for different tips are available.

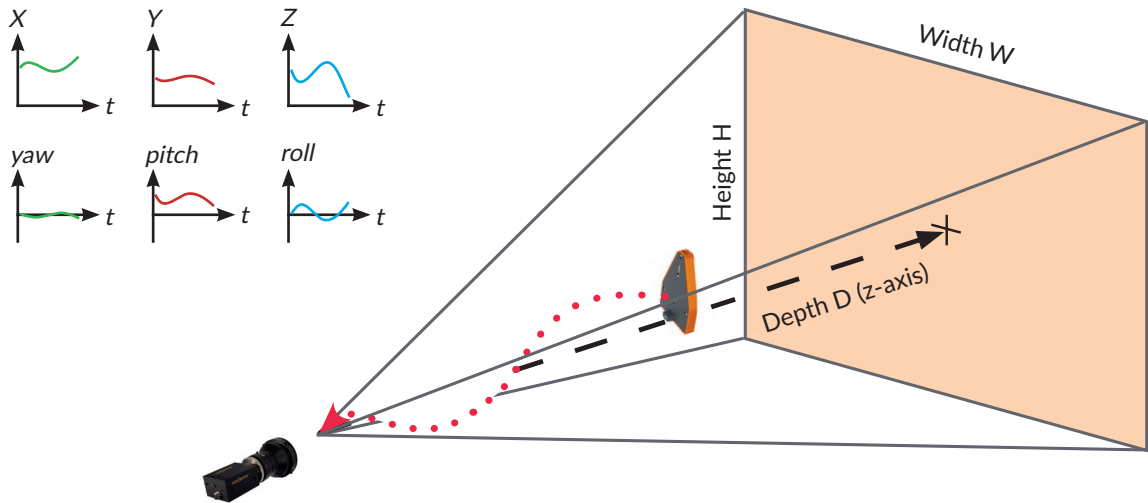
Depending on your requirements, we can also adapt optics and tracker sizes.

Assembly Scout

In the Software Assembly Scout the Hard Probe is used as precise teach-in tool is used.



nex)))onar® Hard Probe



IR LED Camera Tracking - system configuration

Measuring range enlargement by clustering:

