

Accuracy of the Dino-Lite Measurement

The Dino-Lite was intended to be a class leading, convenient, and helpful tool which was not meant to replace any precision measurement device. But if the Dino-Lite is set in focus and calibrated for one certain magnification, it then can be accurately calibrated if the magnification dial and Dino-Lite is stationary.

Actual magnification rate on the microscope might not be accurate due to possible error from the Dino-Lite focal dial that can be introduced from the manufacturing process or manufacturing of a component. But regardless of what magnification rate is mentioned, the measurement results should be accurate after calibration.

Simply calibrate the Dino-Lite with any available calibration target like the sample calibration target included with the Dino-Lite or use an available trusted certified calibration target that you may already have for assured accuracy. Then try a couple of measurements after calibrating with the Dino-Lite to see if the Dino-Lite can meet your accuracy requirements.

The Dino-Lite handheld microscope is a class leading, convenient device with powerful analysis tools that is accurate enough to rival some precision measurement devices. But due to the nature of the device having variable magnification and handheld use, the Dino-Lite requires re-calibration to assure accuracy. But by making the Dino-Lite stationary, accurate and precise calibration can be done whenever required.