

LARGE SENSORS: PXL, PXS, PXT

Clean optical windows

1. If present, demount the roller guide unit:
 - a. Unscrew two screws (Figures 1 and 2)
 - b. Pull out roller guide unit

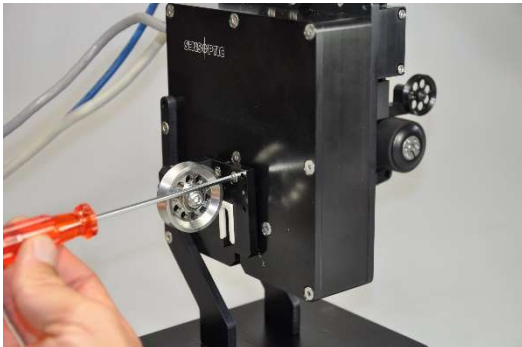


Figure 1: Unscrew first screw (PXL)



Figure 2: Unscrew second screw (PXL)

2. Remove dust from the window surfaces by blowing them with compressed air, either from an air compressor or a gas duster
3. Dampen a lint-free tissue with alcohol, preferably isopropanol, and use it to clean all optical windows (Figure 3)
4. Repeat the cleaning process using a new tissue or an untouched section to improve cleanliness
5. Dry with another lint-free tissue

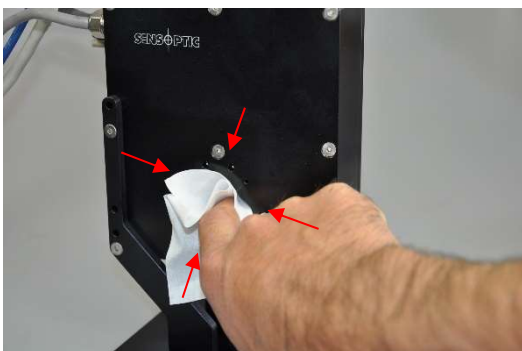
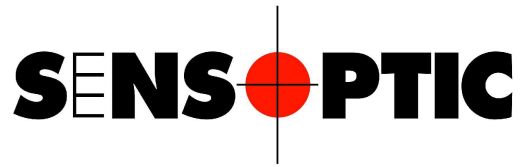


Figure 3: Cleaning the 4 optical windows of PXL



Figure 4: Drying with a dry lint-free tissue



Cleaning the roller guide surface

Clean the inner surface of the roller guide with a stick, ensuring that the surface in contact with the wire or filament be free of dust or wear debris.

„Clean magnet wire“ measuring conditions

To ensure reliable measurements, magnet wires and filaments must be free of dust or wear debris which come close or exceed in size the lump threshold. Additionally, substances like oil, sizing agents, lubricants, or high humidity can cause particles to adhere to the filaments. Avoid dirt accumulation on the optical windows, which can result from environmental factors such as oil-saturated air, dust particles, or condensation, as this degrades the measurement. In Sensoft Multiline, and also in Sensoft Vision if a nominal diameter is provided, a warning will be displayed if the level of dirt necessitates cleaning of the sensor.