

# NanoDrop QC Software for UV-Vis analysis of liquid polymers and chemicals

Improve your sample workflow and get results faster

# NanoDrop QC Software for the NanoDrop One<sup>®</sup> Spectrophotometer

Cuvette-based UV-Vis technology and PC-based chemometric software are staples in the quality analysis of liquids such as dyes, lubricants and adhesives. The sample preparation and analysis of these solutions may include multiple time-consuming processes impacting the release of high-value products. Our innovative, auto-ranging pedestal UV-Vis spectrophotometer eliminates time consuming steps such as dilution of highly concentrated samples and simplifies chemometric data analysis.

## Measure highly concentrated solutions without dilution

- Analyze 0.5 – 2.0 µl samples, without the need for cuvettes or capillaries
- Measure samples without needing to know the sample concentration
- Quantify up to 550 AU with automated short path length adjustments
- Upgrade your lab with an alternative to automated liquid handling systems, flow cells, and sub-micro cuvettes

## Run on-board chemometric methods

- Simplify chemometric method development with Thermo Scientific™ TQ Analyst™ Software
- Deploy methods directly to Thermo Scientific™ NanoDrop One<sup>®</sup> UV-Vis Spectrophotometers around the world
- Achieve Pass/Fail and other quantitative results on the factory floor
- Spend more time on method development and less on data analysis



NanoDrop QC Software chemometric spectra analysis of dye samples

Red – Tartrazine

Green – Sunset Yellow

Yellow – 50:50 Mix of Tartrazine and Sunset Yellow

# NanoDrop QC Software streamlines your current workflow by eliminating time consuming steps

1. Diluting with solvents, potentially with multiple rounds of dilutions
2. Transfer to quartz cuvette



Pipette sample directly onto the pedestal

3. Measurements in several minutes
4. Export data for analysis
5. Run chemometrics on PC



Data in < 10 seconds

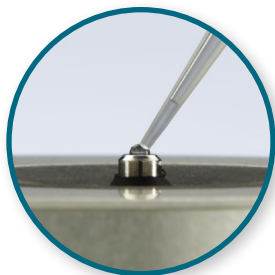
6. Clean quartz cuvettes



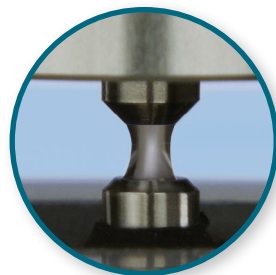
Simply wipe the pedestals clean with a lint-free lab cloth

## How auto-ranging pedestal technology reduces the need for dilutions

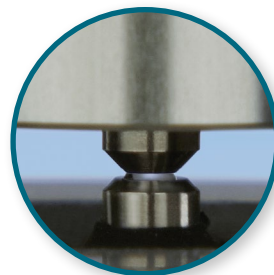
The patented\* sample retention system used by NanoDrop One<sup>®</sup> spectrophotometer allows for the analysis of 0.5 – 2.0 µl samples, without the need for cuvettes or capillaries.



With the arm open, a sample is pipetted directly onto the pedestal.



After the arm is closed, a sample column is formed.



The pedestal then moves to automatically adjust for an optimal path length (0.03 – 1 mm).



When the measurement is complete, the surfaces are simply wiped with a lint-free lab wipe before going on to the next sample.

### Ordering information

Product	Includes	Cat. No.
NanoDrop One <sup>®</sup> Spectrophotometer with NanoDrop QC Software – method developer bundle	NanoDrop One <sup>®</sup> with NanoDrop QC software, NanoDrop QC PC software, Security Suite for NanoDrop QC, TQ Analyst Pro	912A1025
NanoDrop One <sup>®</sup> Spectrophotometer with NanoDrop QC Software – technician bundle	NanoDrop One <sup>®</sup> with NanoDrop QC software, NanoDrop QC PC software, Security Suite for NanoDrop QC	912A1024

\*US Patents 6,628,382 and 6,809,826

Learn more at [thermofisher.com/nanodropqc](https://thermofisher.com/nanodropqc)

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