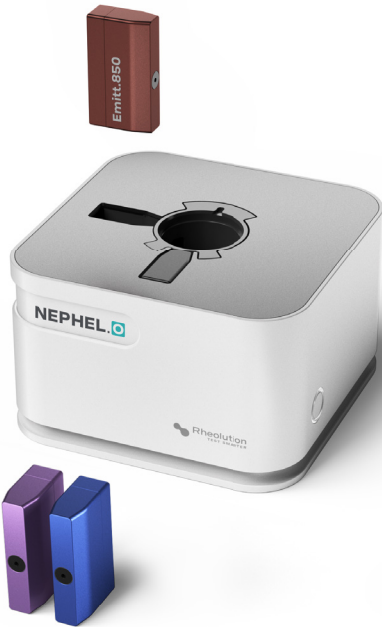


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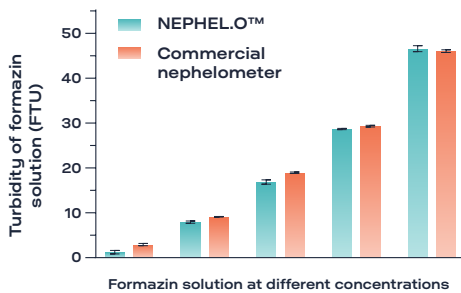
Technical notes | NEPHEL.O™

NEPHEL.O™ provides precise and repeatable data on low turbidity solutions

The NEPHEL.O™ nephelometer is a reliable instrument that performs comparably to established and commercially available nephelometers. It provides precise measurements of low turbidity solutions with good repeatability.

	NEPHEL.O™	Old generation lab nephelometers
Measurement range	0 to 200 FTU	0 to 200 FTU
Can it operate at multiple wavelengths?	✓ An emission cartridge with the desired wavelength may be inserted at any time.	✗ Only one wavelength is available per instrument. It is necessary to acquire a new instrument to operate at a different wavelength.
Can it measure time evolving kinetics?	✓ The NEPHEL.O™ measures and displays sample's turbidity as a function of time to capture rapid time kinetics.	✗ Old generation nephelometers usually don't measure time kinetics.
Can it accept multiple sample holders?	✓ You can select between Vials (2, 4 or 10 mL), Cuvette (4.5 mL) or PCR-Tube (200 µL).	✗ Instruments accept a single sample holder with a fixed volume of sample.
Can it adapt to meet specific applications?	✓ A NEPHEL.O™ may be augmented with different optical cartridges to cover new applications.	✗ User has to acquire a new nephelometer with specific features to meet new applications.
Can it integrate into a scalable network of multiple nephelometers?	✓ Multiple NEPHEL.O™ units can be paired to the same operating tablet to form an integrated testing system.	✗ Each single instrument operates in silo. It is not possible to connect multiple instruments to form a testing system.
Does it connect with multiple instruments?	✓ Multiple NEPHEL.O™ units can simultaneously and remotely communicate test data with a single control tablet.	✗ Each nephelometer operates on its own. Data and results are not shared.
Is it a data driven instrument?	✓ Data are measured or collected on a single App to form a comprehensive and usable database.	✗ Data are displayed in alphanumeric screens or exported in spreadsheets.

Comparison between NEPHEL.O™ and commercial nephelometer



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Contact us today to start your Data-driven Science journey

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