

# Collo Lab Analyzer

## Technical datasheet

Collo Lab Analyzer provides a new type of information for R&D and process innovation. Suitable for complex processes and multi-component liquids.

Collo fingerprint technology measures liquid quality comprehensively. Detect changes in dissolved chemicals and relative phase composition. Suitable for all liquids, suspensions, emulsions, pastes, gels, slurries, and creams.



### Technical Specifications

- **Measurement principle:** Electromagnetic, Collo fingerprint
- **Liquid viscosity range:** Unlimited
- **Liquid dry mass range:** Unlimited
- **Suitable liquids:** All, except highly corrosive liquids and strong solvents
- **Sampling interval (s):** 2
- **Minimum sample size (dl):** 2.5 recommended
- **Dimensions (mm):** L x Ø: 355 x 36.
- **Materials:** Body: Stainless steel & PEEK. Sensor surface: borosilicate. Gasket: Viton™
- **Operating temperature (°C):** 0 to 90
- **Measuring distance:** Measurement volume of a few cubic cm from the sensor head
- **Components:** Collo Probe, Windows 11 PC, PoE Injector/Router, Collo measurement software

### Features and applications

- Analyze dynamics of the liquid process with continuous, real-time measurement
- Detect homogenization, agglomeration, gelation, crystallization, particles, viscosity changes, and more
- Monitor chemical balance, chemical impurities, chemical reactions
- Detect changes in solids, gas, or other more subtle changes in phase composition
- Advanced fluid condition monitoring: “8 senses”
- Data visualization
- 2D and 8D liquid fingerprint plot
- Measurement history & reference view
- Reports & data export in csv

**Collo.fi**

ColloidTek Oy, Finland