



METER
ENVIRONMENT

SOIL/LAB/HYDROLOGY INSTRUMENTS



PARIO

PARIO calculates the particle size distribution by Stokes' law, with a range spanning from 63 μm to 2 μm , finally making it easy to obtain a complete particle size distribution curve, instead of just a few measurements at discrete time points.

It allows for unattended, automated operation (with the exception of opening the valve after completion). Just set it up and come back later to a finished measurement with all the data you need.

FEATURES:

- Complete particle size distribution curves
- Autonomous operation
- Fast measurement time: 2.5h
+/- 0.5% error
- Quasi-continuous resolution of particle size distribution
- No physical disturbance of suspension during measurement
- No manual reading or calculation errors
- Direct measurement of clay content

SPECIFICATIONS

- Particle size range: 2-63 μm
- Approximate error in mass fraction detection: $\pm 0.5\%$
- Pressure measurement
Accuracy: ± 1.0 Pa
Resolution: ± 0.1 Pa
- Typical particle mass: 25–50 g per 1-L suspension
- Typical duration of measurement: 2.5 h
- Measurement interval: 10 s
- Estimation of clay content: Derived from integrated particle mass in effluent
- Estimation of sand fraction: Estimated by sieve data