

DATASHEET

PORTABLE NUMERICAL PHOTOMETER

ODEON-PHOTOPOD

NUMERICAL TECHNOLOGY FOR MULTIPLE COMBINATIONS



- Unique solution for field application: physic-chemistry and photometry,
- More than 50 parameters measured by photometry and 10 by physico-chemical technology,
- Automatic selection of the wavelength,
- Exceptional logger capacity (100 000 measures),
- Digital probes « plug and play »

Companies **PONSEL MESURE** and **ORCHIDIS laboratoire (AQUALABO Group)** innovate and introduce their new digital portable photometer dedicated to water quality control: the PHOTOPOD. Developed to provide a solution both for field and laboratory measurement requirements, the set ODEON-PHOTOPOD is an innovative and unique offer, making an exclusive link between a compact, strong and watertight photometer with a physico-chemical multiparameter portable device.

The ODEON-PHOTOPOD is well adapted and, designed for people who are not chemists thanks to the simple and easy to make analysis methods. Associated with the "plug and play" digital sensors technology, the ODEON-PHOTOPOD is an intelligent solution, reliable, and is the perfect system to fulfill all your needs. This instrument can be used for many kind of water analysis urban, municipal and industrial waste water,, drinking water, boiler and cooling tower water, fish farming, natural waters...

➤ Photometer PHOTOPOD

■ Intelligent and compact photometer

- Photometer with LED technology for water analysis
- Minimal dimensions and optimized manipulations,
- Strong and waterproof Fischer Metallic connections.



Technical characteristics of PHOTOPOD	
Type of device	microprocessor based photometer with LED technology for water analysis
Wavelength	639 nm, 591 nm, 518 nm, 468 nm, 428 nm
Detector	Silicon Photocell
Cuvette	Round shaped 16mm diameter
More than 50 parameters analyzable	Isocyanuric acid, Al, Br ₂ , BZ ₃ Azol, Cl ⁻ , Cl ₂ , ClO ₂ , CN ⁻ , Cr ⁶⁺ , Cr, Cu, DCO, N ₂ H ₄ , NH ₄ ⁺ , N, Ni, NO ₂ ⁻ , NO ₃ ⁻ , O ₃ , pH, PO ₄ ³⁻ , P ₂ O ₅ , P _{tot} , SiO ₂ ...
Versions	Urban WWTP, Small WWTP Residual water Drinking water Boiler room
	NH ₄ ⁺ , NO ₃ ⁻ , PO ₄ ⁻ DCO, NH ₄ ⁺ , NO ₃ ⁻ , NO ₂ ⁻ , P _{total} , SO ₄ ²⁻ , Turbidity NH ₄ ⁺ , NO ₃ ⁻ , Fe, Cu, Mn, Cl ₂ , CN ⁻ , ClO ₂ , SO ₄ ²⁻ , Turbidity, TH, TA, TAC PO ₄ , N ₂ H ₄ , DEHA, Fe, Cl ₂ , Br ₂ , Cu, Mn, Mo, NO ₂ ⁻ , SiO ₂ , SO ₄ ²⁻ , Zn, TH, TA, TAC, Benzotriazol, phosphonates
Adjustment of the wavelength	Automatic
Blank's measure	Electronic memorization
Measure	Direct in concentration, in absorbance or in transmittance
Signal interface	Numerical RS-485
Connection	ODEON PC connection with software of transfer
Dimensions	Height max : 62 mm ; Length x Width : 96x58 mm
Material in contact with the middle	ABS
Indice of protection	IP67

ODEON can be also connected to the whole range of digital sensors PONSEL: sensor OPTOD (Optical Oxygen), PH / REDOX, C4E (Conductivity / Salinity / TDS), NTU (Turbidity NTU / mg / L).



➤ Portable laboratory :

For its analyses, the PHOTOPOD uses the ORCHIDIS solutions. The liquid reagent or pills in tablets are very easy to use, for fast and reliable results.
 The set is available in the form of suitcase containing ODEON, PHOTOPOD, digital sensors and all the solutions and necessary reagent for your analyses, constituting a real portable laboratory.