



Features:

- More than 100 pre-programmed methods
- Automatic wavelength adjustment
- Backlit graphic display
- USB interface for data transfer/update and power supply
- Data storage according to GLP
- IP67 waterproof housing
- Run off car cigarette socket
- Auto-power down function
- Optional rechargeable battery pack, charges through USB socket

Benefits:

- Fast, easy menu guided operation
- Unrivalled flexibility for how & where it is used
- No need for cuvette slot cover
- Future Proof – Software updates downloadable from internet
- More than 2000 measurements per battery charge
- Complete versatility of water/wastewater analysis
- Fully portable & chargeable through car power socket

Applications:

- Process performance audit
- On line instrument check and/or calibration
- Municipal & Industrial Effluent monitoring
- Environmental monitoring



LabSys-PF12 is a portable, robust, compact photometer from M&N, for field or site lab use. Ideal for environmental and effluent analysis, with kits available for all the normal water and wastewater parameters, such as COD, Ammonia, Nitrate, Phosphate, hardness, etc. Both Viscolour Eco tests and Nanocolour tube tests may be used with the PF12. The former being cheaper and Eco friendly whereas the tube tests are quicker, easier and more precise. A complete list of parameters and ranges are accessible through our website download facility. Its robust construction and simple operation make it the perfect tool for site operators to check their process or online instrumentation, whilst still maintaining a high degree of precision. Should batteries fail the unit may be powered from a van cigarette lighter socket. Results will not be lost on bits of paper due to the logging and easy PC download facility. All the equipment may be kept together in a customised rugged carrying case ensuring that the correct tools are always available in the right place when they are needed.



Technical Data

Type:	Filter photometer with microprocessor control, self test & autocalibration; Wavelength range 340 – 860nm
Optics:	Automatic filter wheel with seven interference filters. Insensitive to external light – no light shield required
Wavelengths	345/436/470/540/585/620/690 nm + 1 compartment for additional filters
Wavelength accuracy:	± 2 nm, bandwidth at half transmission 10-12 nm
Light sources:	Tungsten light
Detector:	Silicon photodiode
Blank value:	Automatic
Measuring mode:	Over 100 pre-programmed tests. (NANAOCOLOUR tube tests and VISCOLOUR ECO tests Absorbance, transmission, factor, standard 10 freely programmable methods
Photometric range:	± 3E
Photometric accuracy:	± 1%
Stability:	< 0.002 E/h
Cuvette holder:	Round tubes 16mm dia
Data memory:	200 results, GLP conform
Display:	backlit graphic display, 64x128 pixels All important data at a glance: Result, in respective unit, date, time, sample, number, sample location, and dilution
Operation:	Display user guidance, plastic foil keyboard, Test selection via test number or parameter lists, 12 languages
Quality Control:	With Nanocontrol Nanocheck
Interface:	USB 2.0
Update:	Via Internet/PC; free of charge
Operating range:	0-50 C, up to 90% RH
Power supply:	Via USB power supply, standard or rechargeable batteries
Housing:	Waterproof IP67
Dimension:	215x100x65 mm
Weight:	0.7Kg
Warranty:	2 years
Compliance:	EC directives 2006/95/EG – Low voltage directive 2004/108/EG – EMC Directive

Ordering Information

Compact photometer PF-12 incl. software DVD, manual, 4 batteries USB/lighter socket power supply
Mains BatteryCharger – optional, stipulate if needed
Accupack rechargeable battery pack (optional)
Mains power cable (Optional)
Carrying case 1 : Minilab
Carrying case2: Ammonia or Nitrate or Phosphate instrument check kits

Supplied by: Envitech Ltd. Unit S7, Capital Business Park, Parkway, Cardiff, CF3 2PU
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