

종합수질분석기(정수/폐수/오수/일반분석)

AL800(정수/폐수/오수/일반분석)



The AL800 is a modern single-beam spectrophotometer with an excellent price/performance ratio that is specifically



Optics

The **AL800** is a single-beam spectral photometer (see illustration). The light source is a tungsten halogen lamp with

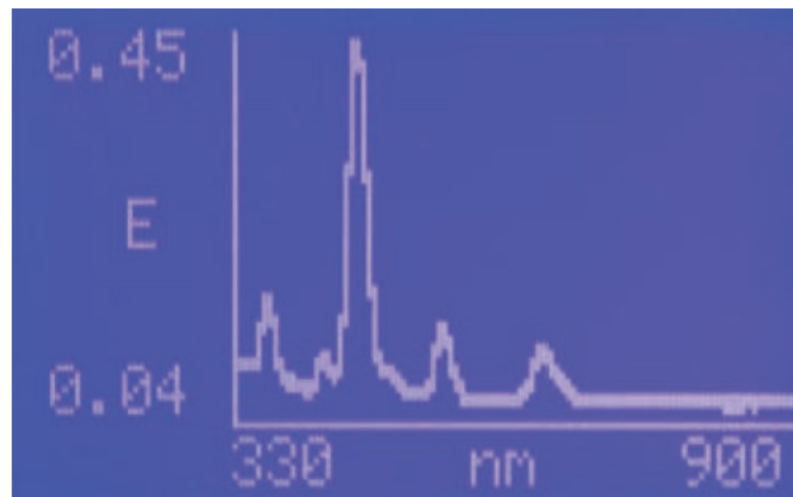
designed for water testing.

The instrument is equipped with a wide range of pre-programmed methods based on the proven range of AQUALYTIC® tube tests, tablet reagents, liquid reagents and powder reagents (Vario Powder Packs).

■ Highlights

- Interface RS232
- Large illuminated display
- Touch-sensitive film keypad with logical layout
- Use of round vials and rectangular cells of different sizes without adapter
- 35 user-specific methods
- Fast, easy lamp change
- Update via Internet

flash function. The lamp is switched on only momentarily during of the measurement process¹⁾, so there is no need for a warm-up period. The AL800 is ready to perform a self-test as soon as it is switched on. The light passes through an entry slot to the monochromator, where it is split into spectral ranges. The monochromator is a holographically produced, transparent grating. The movable mirror ensures that light of the desired wavelength is focused automatically so that it passes through the exit slot, into the sample chamber and therefore through the water sample. The light that is not absorbed by the sample travels to the silicon photodiode detector. This signal is then evaluated by a microprocessor and shown as a result in the display.

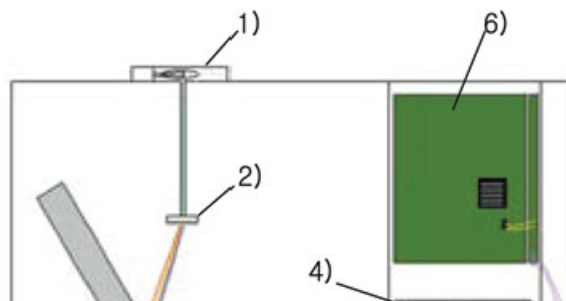


Scanning mode

Technical data

Wavelength range	330 to 900 nm
Photometric range	-0.3 to 2.5 Abs
Spectral bandwidth	10 nm
Wavelength accuracy	±2 nm
Wavelength reproducibility	±1 nm
Light source	Pre-adjusted tungsten halogen lamp
Monochromator	Holographic grating
Detector	Silicon photodiode
Multifunctional	Round vials
sample chamber	24 and 16 mm Ø, Rectangular cells 10-50 mm
Display	Backlit LCD graphic display
Language options	German, English, French, Italian, Spanish, Portugese
Storage capacity	1000 test data sets
Serial interface	RS232
Dimensions(L x W x H)	270 x 275 x 150 mm
Weight	approx. 3.2 kg
Power supply unit	Input : 100 - 240 V ~ 1.0 A 50 - 60 Hz Output : 12 V 30 W

Optical system



Accessories

Accessories	Code
Replacement halogen lamp	7110 00
Magnetical pin (for updates)	19801687
Connection cable to a PC	198197
Connection to a 12 V plug	711040
Case for transport	712050
Universal adapter for sockets	192065
Secondary standard set	711160
Plastic funnel with handle	471007
Cleaning cloth for vials	197635
Power supply unit	711090
100-240 V / 50-60 Hz	
Power station,	711050
230 V / 50 Hz	
with cable for connection	
12 round vials with lid	197620
Height 48 mm, 24 mm Ø	
5 round vials with lid	197629
Height 48 mm, 24 mm Ø	
10 round vials with lid	197665
Height 90 mm, 16 mm Ø	
W 100, rectangular cell	601040
optical glass OG,	
10 mm path length	
W 100, rectangular cell	601070
optical glass OG,	
50 mm path length	
W 110, rectangular cell	661130
Quartz-UV-glass,	
10 mm path length	
Paper printer DPN 2335	198075
with power pack (230 V, 50 Hz)	
connection cable and one paper roll	



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|--------------------------|------------------------|
| 1) Tungsten halogen lamp | 4) Sample chamber |
| 2) Monochromator | 5) Silicon photodiode |
| 3) Movable mirror | 6) Microprocessor unit |

Setup for Arsenic-test complet	370500
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Spare parts :

Erlenmeyer flask	370501
Glass stopper	370502
Absorption tube	370503
W 100, cell, Optical-Glass-OG, 20 mm path length	601050

AQUALYTIC® AL800

Spectrophotometer 330 – 900 nm

in case as above, with energy station, replacement lamp, 12 round vials with lid (height 48 mm, ø 24 mm), 10 round vials with lid (height 90 mm, ø 16 mm), W 100 rectangular cell (50 mm path length), W 100 rectangular cell (10 mm path length), plastic stirring rod, but without reagents.

Order code : 4712005

We would be pleased to quote a ready to use spectrophotometer unit for the parameters and required accessories