

Spectrophotometer, Irmeco



① Spectrophotometer version HACH, model DR 3900

Powerful, microprocessor-controlled VIS spectrophotometer for reliable measurement results in routine analysis and for your own applications.

Applications:

- Pre-programmed with all HACH LANGE analysis methods, e.g. for wastewater, potable water and cooling/boiler water analysis
- Extinction and transmission
- Concentration for linear and non-linear calibration curves

Technical data:

Display mode:	Transmission (%), extinction and concentration, scan
Light source:	Halogen lamp
Optical path:	Reference beam technology, spectral
Wave length range:	320 to 1100 nm
Wave length accuracy:	± 1.5 nm (wavelength range 340 to 900 nm)
Wavelength reproducibility:	± 0.1 nm
Wavelength resolution:	1 nm
Wavelength calibration and selection:	Automatic
Spectral bandwidth:	5 nm
Photometric measuring range:	± 3.0 E (wavelength range 340 to 900 nm)
Photometric accuracy:	5 mAbs at 0.0 to 0.5 Abs, 1% at 0.5 to 2.0 Abs
Photometric linearity:	< 0.5% to 2 Abs, 1% at > 2 Abs with neutral glass at 546 nm
Stray light:	0.1% at 340 nm with NaNO ₂
Display:	7" TFT WVGA colour touch screen (800 × 480 Pixel)
Data storage:	2000 measured values (Result, Date, Time, Sample ID, Operator ID)
Preprogrammed methods:	> 220
User programs:	100
Cuvette compatibility:	13 mm round cuvette, 1 cm and 5 cm rectangular cuvette, 1 inch round cuvette, 1 inch rectangular cuvette

Courtesy of HACH LANGE

Article	Order No.
Spectrophotometer version HACH DR 3900 (with RFID technology)	10 15 89901
Spectrophotometer version HACH DR 3900 (without RFID technology)	10 15 89801

Cuvette tests LCK series

In total, more than 200 different test methods are available.

Ready-to-use cuvette tests with pre-dosed reagents for photometric evaluation. Maximum safety and easy handling. Environmentally friendly thanks to minimized volumes of reagent quantities. Approved for self-monitoring.

Article	Test	Order No.
② LCK514	CSB 100–2000 mg/l O ₂	10 15 80514
LCK1414	CSB 5–60 mg/l O ₂	10 15 81414
LCK303	ammonium 2.0–47.0 mg/l NH ₄ -N	10 15 80303
③ LCK341	nitrite 0.015–0.6 mg/l NO ₂ -N	10 15 80341
LCK339	nitrate 0.23–13.5 mg/l NO ₃ -N	10 15 80339
LCK138	Latent total nitrogen 1–16 mg/l TNb	10 15 80138
LCK386	TOC (expulsion method) 30–300 mg/l C	10 15 80386
LCK349	phosphate (ortho/total) 0.05–1.5 mg/l PO ₄ -P	10 15 80349
LCK521	iron, trace 0.01–1.0 mg/l Fe	10 15 80521
LCK329	copper 0.1–8.0 mg/l Cu	10 15 80329
LCK313	chromium (III and VI) 0.03–1.0 mg/l Cr	10 15 80313
LCK360	zinc 0.2–6.0 mg/l Zn	10 15 80360

Accessories

Article	Order No.
Rectangular cell, 1 × 1 inch, 10 ml, glass (2 pcs.)	10 15 85402
Sample cell, 10 ml (1 inch), round, polystyrene, 2 pcs.	10 15 84302
Addista - AQU Multi-Standard	10 15 80701
Cell stand for 16 round or rectangle cells 10 mm	10 15 80915



①



②



③

