

# Water Testing

## COD Tube Test Kits, Hach

A scaled down version of the traditional digestion test, greatly reducing the hazards associated with contact between the technician and the reagents. Ready-to-use cuvette tests containing predispensed volumes of COD testing reagents are cost-efficient and environmentally benign. Developed to conform to the requirements of ISO15705. The cuvettes are borosilicate glass with plastic screw caps, resisting up to 6kPa (bar) pressure. Supplied in packs of 24. Require a block heater and photometer to complete the test.

**WR818-10** 0 to 150mg/l

**WR818-20** 0 to 1000mg/l

Block heater for COD testing - see **BK280-55** with **BK282-04** blocks.

Spectrophotometer - see **WR830-45**.

## Hach-Lange Spectrophotometer, DR3900

Highly accurate, water analysis instrument designed to help meet regulatory requirements for drinking, waste, boiler or cooler water.

- ◆ Menu-driven, backlit, touchscreen interface for rapid operation
- ◆ RFID tagging technology provides sample/user/location ID and rapid data transfer
- ◆ Over 220 pre-programmed Hach-Lange methods stored internally, plus 100 user programmes can be entered
- ◆ Automatic test identification using accessory, bar-coded reagent cuvettes
- ◆ Automatic rotation of cuvette tests with averaging of 10 readings and outlier rejection
- ◆ Reference detector monitors and compensates for optical fluctuations and lamp ageing
- ◆ 3 x USB and 1 x ethernet output ports

Wavelength range	nm	320 to 1100 x 1
Wavelength accuracy	nm	±1.5 (within 340 to 900nm)
Spectral Bandwidth	nm	5
Readout modes		Transmittance (%), Absorbance, Concentration, Scanning (wavelength, time)
Wavelength selection		Automatic, based on method selected
Photometric accuracy		5mAbs from 0.0 to 0.5Abs 1% from 0.50 to 2.0Abs
Data storage		2000 measured values (result, date, time, sample ID, user ID)
Cell accommodated		10mm dia. Lange AccuVac® vials, 10mm, 50mm, 1 inch rectangular cells, 13mm and 1 inch dia. cells
Overall H x W x D	mm	151 x 350 x 255
Weight	kg	4.2

### Spectrophotometer, Hach-Lange DR3900

As described. Supplied with cell holder for 10mm diameter Lange AccuVac® 10mm or 1 inch square cuvettes or 1 inch diameter tubes, operating manual and a.c. adapter requiring a 100-240V 50/60Hz single phase supply.

**WR830-45** DR3900

**WR832-08** Sample cells, 10mm square, matched pair

**WR832-15** Sample cells, 1 inch square, matched pair

**WR832-19** RFID set for sample identification, including RFID locator, user, location and sample tags

**WR832-26** Data acquisition software for retrieval of new and logged results from WR830-45. Requires MS-Windows™ and MS-Excel software and PC for operation

**WR832-49** Spare tungsten-halogen bulb, 6V, 10W, for WR830-45

Both Hach and Lange cuvette tests and other cell sizes are available - *details on request*.



**WR818**



**WR830-45 in use**