



IF IT'S WORTH BUILDING, IT'S WORTH TESTING

This wishlist was generated on 20/11/2017, and contains the following Products:

418-160

Paqualab System 50 for Analysis of Drinking Water to EC Standard Categories 1 & 2.

514-021

Dial-Type Gauge Tensiometer 450 mm

514-022

Dial-Type Gauge Tensiometer 600 mm

513-012

Soil pH and Lime Requirement Test Kit



Paqualab System 50 for Analysis of Drinking Water to EC Standard Categories 1 & 2.

Code: **418-160**

Product Group: **Paqualab Standard Systems**

Portable drinking water quality testing system.

Microbiological - Coliform & E.Coli.

Physical - temperature, conductivity & turbidity.

Chemical - pH, Cl, NH₃, NO₂ & NO₃ plus over 40 chemical tests available.

AC/DC and rechargeable battery powered incubator.
On-site testing for fast, accurate results.

Long-term monitoring and emergency testing of drinking water to EC and WHO guidelines.

Comprising of the ELE Paqualab incubator 50, pH/temperature/mV meter, conductivity/temperature meter, turbidity meter, 0 - 1000 FTU, ELE Paqualab photometer, and consumables for 200 tests on faecal or total coliforms, chlorine, ammonia, nitrates and nitrites.

The Paqualab is a portable testing system for the key drinking water quality parameters. The Paqualab allows the laboratory to be carried to water so that accurate results are obtained sooner even in remote areas. Laboratory standard results can be obtained by operators with the minimum of training. The equipment provided in each Paqualab has been specifically designed for field use. Aluminium replaces glass for many components for improved strength and lighter weight. The incubators have 2 pre-set temperatures that are usually set to 37°C and 44°C.

The internal battery provides sufficient power for a full incubation cycle.

Over 1000 Paqualabs are in use throughout the world for monitoring drinking water in remote areas, emergency situations, research and education. The Paqualab is a completely modular system. Standard kits are available as shown below. All items are also available individually to enable the user to build a system to meet their specific requirements. In addition, Paqualab Incubator systems contain all the hardware required for microbiological tests. Paqualab standard systems are based on the Incubator systems and also include tests for other parameters as shown below.

Further Information

Overall dimensions 475 x 230 x 275 mm.

Specification

Standard system

Item supplied	50 (418-160)	25 (418-150)
(420-035) Universal & Incubator 50	Yes	-
(420-030) Universal Incubator 25	-	Yes
(430-020) pH/Temp/mV meter	Yes	Yes
(513-160) Conductivity/TDS/temp meter	Yes	Yes
(430-260) Turbidity meter	Yes	Yes
(430-550) Photometer	Yes	Yes
(433-115/10) Chlorine reagent system, free combined and total pack of 250	Yes	Yes
(433-102/10) Ammonia reagent system, pack of 250 tests	Yes	Yes
(433-166/10) Nitrate reagent system, pack of 200 tests	Yes	Yes
(433-168/10) Nitrite reagent system, 4 packs of 50 tests	Yes	Yes
(422-010) Coliform starter pack. Sufficient for 200 tests	Yes	Yes

Product Sheet

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Incubator system

Item supplied	50 (418-160)	25 (418-150)
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Large rigid carrying case	Yes	-
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Standard rigid carrying case	-	Yes
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Universal incubator	Yes	Yes
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Standard incubator	Yes	-
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Incubator linking lead	Yes	-
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Filtration unit	Yes	Yes
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Mains lead	Yes	Yes
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Battery lead	Yes	Yes
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Cigar lighter plug	Yes	Yes
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Aluminium petri dishes	Yes	Yes
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Plastic autoclavable bottles (x4)	Yes	Yes
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Dropping pipettes (x2)	Yes	Yes
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Forceps	Yes	Yes
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Magnifying glass	Yes	Yes
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Thermometer (spirit)	Yes	Yes
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Trim tool	Yes	Yes
Grease	Yes	Yes
Instruction manual in binder	Yes	Yes

Spares/Consumables



Aluminium Petri Dishes Pack of 25.

Code: [422-560](#)



Coliform Starter Pack. Sufficient for 200 Tests

Code: [422-010](#)



Filtration Unit AI Construction Complete with Sampling Cup.

Code: [420-450](#)



Membrane Lauryl Sulphate Medium 38.1 Gram Pack. Sufficient for 200 Tests.

Code: [422-110](#)



Pad Dispenser.

Code: [422-515](#)



Sterile Filter Membranes and Absorbent Pads. Pack of 200.

Code: [422-508](#)

Alternatives



Paqualab System 25 for Analysis of Drinking Water to EC Standard Categories 1 & 2.

Code: [418-150](#)



Dial-Type Gauge Tensiometer 450 mm

Code: [514-021](#)

Product Group: [Tensiometers](#)

Durable weather and soil resistant tensiometer.

Designed for permanent installation.

Rapid response.

Accurate yet inexpensive, this tensiometer is ideal for long term deployment in both field and greenhouse environments. The tensiometer is easy to install via the use of the custom insertion tool (514-030), and maintain, with a full range of spares available. Rapid response is ensured by the sensitive 0-100 centibar dial gauge, having a re-calibration facility. For convenience, a range of lengths are available for monitoring at variable depths.

Note: For operating these tensiometers, a service kit (514-034) is required.

The insertion tool (514-030) is used to provide a clearance hole and also to maintain existing hole diameter for the tensiometer.

Further Information

Requires part 514-034 service kit

Accessories



Insertion Tool

Code: [514-030](#)



Service Kit

Code: [514-034](#)

Spares/Consumables



Screw-top porous ceramic cup

Code: [514-020/11](#)



Vacuum dial gauge

Code: [514-020/13](#)

Alternatives



Dial-Type Gauge Tensiometer 450 mm

Code: [514-021](#)



Dial-Type Gauge Tensiometer 600 mm

Code: [514-022](#)



Dial-Type Gauge Tensiometer 900 mm

Code: [514-024](#)



Dial-type soil moisture gauge tensiometer 300 mm

Code: [514-020](#)



Dial-Type Gauge Tensiometer 600 mm

Code: [514-022](#)

Product Group: [Tensiometers](#)

Durable weather and soil resistant tensiometer.

Designed for permanent installation.

Rapid response.

Accurate yet inexpensive, this tensiometer is ideal for long term deployment in both field and greenhouse environments. The tensiometer is easy to install via the use of the custom insertion tool (514-030), and maintain, with a full range of spares available. Rapid response is ensured by the sensitive 0-100 centibar dial gauge, having a re-calibration facility. For convenience, a range of lengths are available for monitoring at variable depths.

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Further Information

Requires part 514-034 service kit

Accessories



Insertion Tool

Code: [514-030](#)



Service Kit

Code: [514-034](#)

Spares/Consumables



Screw-top porous ceramic cup

Code: [514-020/11](#)



Vacuum dial gauge

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Alternatives



Dial-Type Gauge Tensiometer 450 mm

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Dial-Type Gauge Tensiometer 600 mm

Code: [514-022](#)



Dial-Type Gauge Tensiometer 900 mm

Code: [514-024](#)



Dial-type soil moisture gauge tensiometer 300 mm

Code: [514-020](#)



Soil pH and Lime Requirement Test Kit

Code: [513-012](#)

Product Group: [Soil test kits](#)

Soil pH & Lime Requirement Kit, includes 50 pH and lime requirement tests using a comparison block.

Further Information

Includes a soil coop, de-ion pack and pH block.