

INTRODUCING THE
**AQUALAB
PAWKIT**

You can't take the lab with you however, now you can have Aqualab quality and speed in the palm of your hand. The self-contained battery-operated **Pawkit** is just 4 inches long and weighs only 4 ounces (115g), with an accuracy of ± 0.02 aw.

The **Pawkit** is specially designed for the researcher on the go, for tasks such as quality assurance checks and inspections.

Easy-to-read display shows water activity and sample temperature together.



PORTABILITY RELIABILITY AFFORDABILITY

Product Specifications

AQUALAB PAWKIT

- Sensor - Dielectric Humidity
- Measurement Speed - 5 Min
- Accuracy - ± 0.02 aw
- Resolution - ± 0.01 aw
- Range - 0 to 1.000 aw
- Warranty - 12 Months Parts and Labour
- Footprint - 9 x 10 cm (oval)
- Power - 2 x 3V Li Coin Cells
- Operating environment - 4 to 50 °C, 0 to 90% RH (non-condensing)

Applications

AQUALAB PAWKIT

- Snack Foods
- Candy and Confectionery
- Cereal and Grain Products
- Coffee and Tea
- Cosmetics
- Plastics and Other Materials
- Nuts and Dried Fruit
- Pet Food
- Pharmaceuticals
- Powders and Spices
- Processed and Cured Meats
- Sauces and Dressings
- Seeds
- Ethanol, Petroleum and other samples containing volatiles.



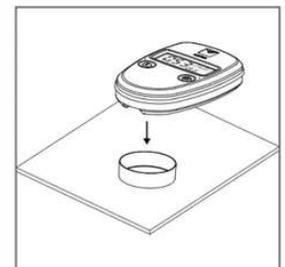
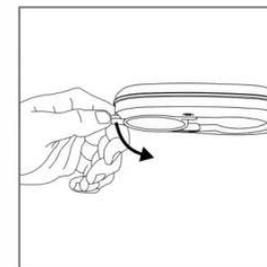
aW	Microorganisms generally inhibited by aw at this point	Examples of foods within this range of water activity.
0.950	<i>Pseudomonas, Escherichia, Proteus, Shigella, Klebsiella, Bacillus, Clostridium perfringens, some yeasts</i>	Highly perishable foods (fresh and canned fruits, vegetables, meat, fish) and Milk, cooked sausages and breads, foods containing up to 40% (w/w) sucrose or 7% NaCl
0.910	<i>Salmonella, Vibrio parahaemolyticus, C. botulinum, Serratia, Lactobacillus, Pediococcus, some molds, Rhodotorula, Pichia</i>	Some cheese (Cheddar, Swiss) cured meat (ham), some fruit juice concentrates foods containing 55% (w/w) sucrose or 12% NaCl
0.870	<i>Many yeasts (Candida, Torulopsis, Hansenula), Micrococcus</i>	Fermented sausage (salami), sponge cakes, dry cheeses, margarine, foods containing 65% (w/w) sucrose (saturated) or 15% NaCl
0.800	<i>Most molds (mycotoxigenic penicillia), Staphylococcus aureus, most Saccharomyces (baillii) spp., Debaryomyces</i>	Most fruit juice concentrates, sweetened condensed milk, chocolate syrup, maple and fruit syrups, flour, rice, pulses containing 15-17% moisture; fruit cake; country style ham, fondants, high-sugar cakes
0.750	<i>Most halophilic bacteria, mycotoxigenic aspergilli</i>	Jam, marmalade, marzipan, glacé fruits and some marshmallows
0.650	<i>Xerophilic molds (Aspergillus chevalieri, A. candidus, Wallemia sebi), Saccharomyces bisporus</i>	Rolled oats containing ~10% moisture, grained nougats, jelly, molasses, raw cane sugar, some dried fruits, nuts
0.600	<i>Osmophilic yeasts (Saccharomyces rouxii), few molds (Aspergillus echinulatus, Monascus bisporus)</i>	Dried fruits containing 15-20% moisture; some toffees and caramels, honey
0.500		Noodles, spaghetti, etc. containing ~12% moisture; spices containing ~10% moisture
	<i>No microbial proliferation</i>	
0.400		Whole egg powder containing ~5% moisture
0.300		Cookies, crackers, bread crusts, etc. containing 3-5% moisture
<0.200		Whole milk powder containing 2-3% moisture, dried vegetables containing ~5% moisture, corn flakes containing ~5% moisture, dehydrated soups; some cookies, crackers

Package Description

AQUALAB PAWKIT

- Aqualab Pawkit water activity instrument
- User Manual
- Protective Shockproof Case
- AquaLink Report Generator Software
- Consumables Starter Pack (100 x sample cups, 10 x lids, 2 x 0.760 aw precision calibration solution vials, 2 x 0.500 aw precision calibration solution vials, 2 x 0.250 aw precision calibration solution vials).
- 12 month Parts And Labour Warranty
- Full training provided - Remotely free of charge and on-site if required can be discussed at time of purchase.

The **Pawkit** is designed to be a simple, rapid and portable system for water activity measurement to ensure product safety. It is easy to use, durable, and requires little maintenance.



DID YOU KNOW?
The PAWKIT

is the smallest, lightest water activity instrument on the market

Product Pricing

AQUALAB PAWKIT

Aqualab instruments are imported from USA and prices may be subject to variations in the NZD/USD exchange rate.

All prices are quoted in NZD and exclude GST and freight unless otherwise specified.

AquaLab **Pawkit** Package: Please refer to quote generated from NetSuite (ERP)

Lead Time

AQUALAB PAWKIT

From the time of order, the lead-time to delivery will be approximately 4-6 weeks. A loan machine can be provided in the meantime. (subject to availability)

Warranty

AQUALAB PAWKIT

The Aqualab **Pawkit** comes with a standard 12 month parts and labour warranty; this may be extended to 36 months, (POA) Mätt Solutions warrants the instrument against defective workmanship and materials for a period of 12 months (or 36 months if warranty extension is purchased) from date of receipt of equipment (the results of ordinary wear and tear, neglect, misuse, accident and excessive deterioration due to corrosion from any cause are not to be considered a defect).



CONSUMABLES PRICE LIST

VERIFICATION STANDARDS

SALT STD BOX 0.150 LICL	\$434.00
SALT STD BOX 0.250 LICL	\$256.46
SALT STD BOX 0.500 LICL	\$256.46
SALT STD BOX 0.760 NACL	\$256.46
SALT STD BOX 0.920 NACL	\$256.46
SALT STD BOX 1.000 LICL	\$256.46

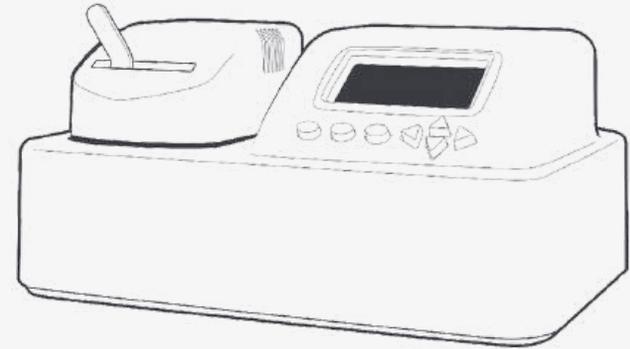
SAMPLE CUPS & LIDS

AQUALAB SAMPLE CUPS (BAG OF 100)	\$ 90.00
AQUALAB SAMPLE LIDS (BAG OF 100)	\$ 90.00

CLEANING SOLUTIONS

AQUALAB CLEANING KIT	\$198.00
BAYLO DISTILLED WATER 1L	\$ 20.00
BAYLO CLEANING WIPES	\$ 20.00

MÄTT SOLUTIONS INSTRUMENT SUPPORT & REPAIRS



As the New Zealand distributor for Aqualab, Mätt Solutions provides complete backup and support for Aqualab water activity meters, including consumables supply, applications assistance and instrument replacement/repairs. Repair and calibration services are performed at our Christchurch premises.

An Aqualab calibration service is available including full aw range calibration, calibration certificate, cleaning kit and use of a loan instrument subject to availability.

PAWKIT.

Guaranteed accuracy and repeatability in the palm of your hand.



PRODUCT SPECIFICATIONS	AQUALAB PAWKIT	OTHER PORTABLE WATER ACTIVITY METERS
Measuring method	Secondary	Secondary
Sensor type	Dielectric Humidity	Non-conductive Humidity
Device size	9 x 10cm	14.8 x 6.5 cm
Battery operated	Yes	Yes
Test time	5 min	5 min
Operating conditions	4 to 50 °C, <90% RH	0 to 50°C, <95% RH
Accuracy	±0.02 aw	± 0.02 aw (Doesn't meet specs)
Accuracy verifiability with NIST traceable standards	Yes	No
Test result repeatability	Yes	No
Standards validation range - confirmed*	0 to 1.000 aw	0.4 to 0.76 aw
Local NZ service and support available	Yes	No
Calibration certificate accepted by MPI available	Yes	No
Offset modification possible	Yes	No
Meeting manufacturer's specifications stated in the brochure	Yes	No

*Based on verification trials

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