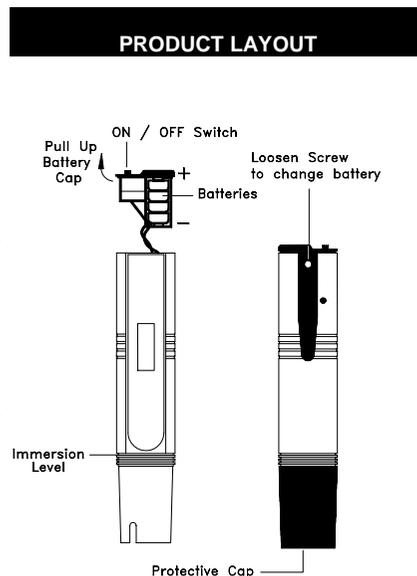


KoiMedic

OPERATION MANUAL

SPECIFICATIONS		
Model	KoiMed 1	KoiMed 2
Operating Range	0.00 ~ 1.00%	0.0 ~ 10.0ppt
Resolution	0.01%	0.1ppt
Accuracy	±0.03%	±0.3ppt
Temperature Compensation	Automatic at 0 ~ 50°C	
Battery	4 x 1.5V Button Cell (Alkaline A76 or equivalent)	
Battery Life	Approximately 150 hours (continuous use)	
Weight	Approximately 60gm	
Dimension	170mm x 32mm x 15mm	



MAKING MEASUREMENT

1. Remove protective cap from bottom (See product layout).
2. To switch on the unit, depress the 'ON/OFF' switch located on top of the tester to 'ON'. If the unit was automatically shut off, depress twice to switch on.
3. Dip tester into sample solution up to the immersion level.
4. Shake the sensor area in solution to remove bubbles.
5. Keep still and wait for a stable reading before readout. This will allow the temperature sensor to compensate for an accurate reading.
6. Always rinses the sensor area with tap water before and after each test. Soak it in a cup of tap water for at least 1 hour before storing.
7. Switch off the tester and replace protective cap before storing away.

NOTES ON MEASUREMENT

In the presence of certain radio transmitters, this product may produce erroneous readings. If this occurs then measurements should be repeated at another location.

POND TREATMENT

What is the ideal salt concentration for the pond?

It is recommended to maintain the salt concentration in the range of about 0.13% to 0.25% (1.3 to 2.5 ppt) in the pond.

Salt concentrations between 0.3% and 0.5% (3 to 5 ppt) will upset the osmotic balance of some parasites i.e. the parasites' cells will dehydrate and thus killing them. Salt concentration of 0.3% are effective at detoxifying nitrite and has been used to control string algae. Nevertheless, 0.3% salt can also stunt water lilies and floating plants (water hyacinth, water lettuce, etc.) than most bog plants.

For treatment of parasite, it is recommended to treat koi in a separate container or hospital tank at 0.3% salt. A prolong 0.3% salt in the whole pond will promote the formation of super parasite that will get immune to higher salt level. It is important not to prolong salt level above 0.25% for more than 2 weeks. Dilute pond to 0.1% to 0.2%. Keep pond at 0.1% to 0.2% salt level and use parasiticides or antibiotics added concurrently with the treatment. This treatment is for general prevention and consultation is required from your local koi supplier for specific infections.

What is the amount of salt to add into the pond?

For the first time, the addition of 1 to 2 pounds (0.5 to 1kg) of salt per 100 gallons (500 liters) of water should be sufficient.

Control Reading: 0.13% to 0.25%
1.3ppt to 2.5ppt.

To detoxify nitrite and control algae, using 2 to 3 pounds (1 to 1.5kg) per 100 gallons (500 liters) of water is appropriate to reduce the nitrite toxicity.

Control Reading: 0.25% to 0.37%
2.5ppt to 3.7ppt

IMPORTANT

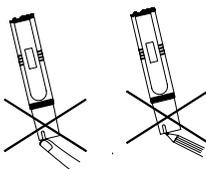
Use only non-iodised salt.

Do not apply salt directly into pond. Any direct contact of crystalline salt with Koi or fish in just a few seconds can cause injuries similar to burns.

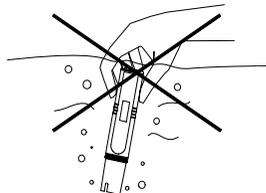
Always dissolve salt in a bucket of pond water first and introduce at the discharge side of the bio-filter for small pond or evenly around the edges for bigger pond. In order not to shock the Koi, it is better to divide application into small partial addition over 3 days rather than all at one time.

PRECAUTIONS IN HANDLING

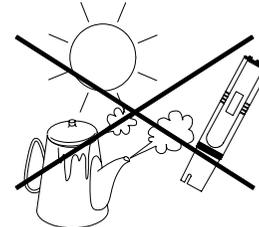
Do not touch, rub or scratch the sensor. It is very sensitive and might lose its accuracy.



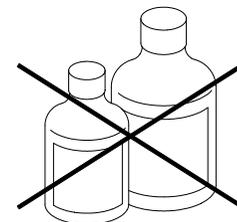
Do not immerse the unit underwater. Though the unit is splash proof and water resistant, it cannot come under pressure and is beyond repair if water gets in unit. If accidentally drop in water, retrieve immediately and wipe dry the unit.



Do not store unit under high temperature or direct sunlight.



Do not clean unit with thinner or solvents. This will damage the unit. Use only a damp cloth to clean unit if needed.



MAINTENANCE

- It is a good practice to soak the sensor area in alcohol every six months for about five minutes. This will clean the sensor and maintain its' accuracy.
- At any time if the readings are in doubt, perform a check by testing in the 3005 standard solution 0.5% or 5ppt. If reading is out, ask your dealer to re-calibrated the unit.

LOW BATTERY ALERT

- When the battery symbol  appear on the display, this indicates a low battery and only 2 hours of continuous use remain. Though the unit may continue to function, the accuracy of the unit will be affected beyond the 2 hours.

BATTERY CHANGE

- To change battery, loosen screw from back of unit, then pull out the battery case from top of unit (see product layout) and replace all four batteries accordingly.