

BIOSCANNER FISH COUNTER



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The Control Unit gathers and displays data from up to four scanners. To distinguish between and to count two fish coming down the channel at the same time, the microprocessorbased counter uses advanced software to analyse data obtained from the scanning.

Since 1986, Vaki Aquaculture Systems Ltd has been active in developing and manufacturing electronic equipment for the aquaculture industry. Today the company is a leader in the field of counting and measuring the size of live farmed fish.

More than 3,000 Bioscanner Fish Counters have been sold to fish farmers in over 40 countries, where they are in use in hatcheries and on-growing farms stocked with various species.

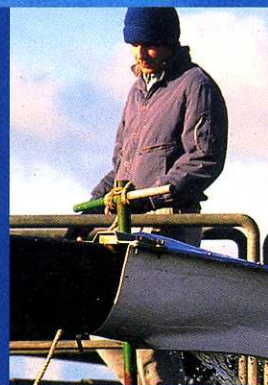
An accurate knowledge of the number and size of farmed fish is important in modern aquaculture. Data on the numbers and overall biomass of the fish in tanks and pens makes it possible to monitor production and facilitates management and planning.

The Bioscanner Fish Counter is specially designed for counting both small and large fish on fish farms. Bioscanner is gentle on fish and the fish are under water at all times.

BIOSCANNER

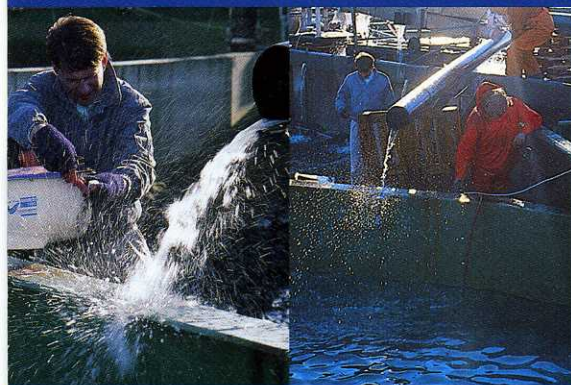
The main advantages of using the Bioscanner are:

- ▶ Accurate information on the number of fish in sea cages, ponds, tanks and raceways
- ▶ Exact deliveries of smolts and when harvesting
- ▶ Lower manpower costs and higher efficiency
- ▶ The number of fish in each size group when used in conjunction with graders
- ▶ Accurate feeding quantities and proper medical dosages
- ▶ Safer ground for insurance assessment



Features:

- Accuracy: 99-100 %
- Flexibility – fish size from 3 g to 12 kg
- High capacity – up to 60,000 fish per hour
- Gentle treatment – fish in water at all times
- User friendly
- 2-year guarantee



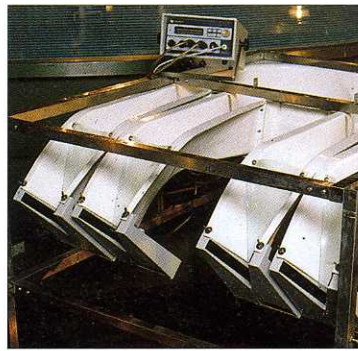
Technical specifications:

Control Unit:

- Dimensions: 30 cm x 20 cm x 6 cm (12" x 8" x 3")
- Weight: 1 kg (2 lbs)
- Mains voltage: 220V or 110V, 50/60 Hz standard, 12V DC optional, 2 m (6ft) lead
- Four data input lines
- One data input/output line for extra accessories
- Waterproof (IP 66)

Scanner Unit:

- Dimensions: 25 cm x 10 cm x 35 cm (10" x 4" x 14")
- Weight: 3 kg (7 lbs)
- Connector lead 15 m (45 ft) standard length, multiples of this through end-to-end connection
- Waterproof (IP 67)



Bioscanner Quattro

The Bioscanner Quattro is specially designed for the high-speed counting of large numbers, e.g. when smolts are being transferred via helicopter or transport trucks and loading time must be kept as short as possible.



Bioscanner Counting Tub

Vaki's Counting Tub is designed for counting live fish in the size range 3 g - 100 g.



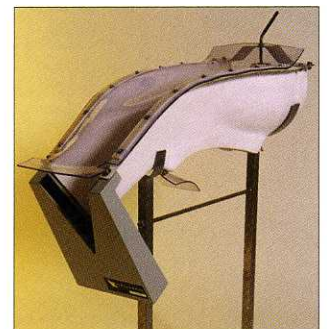
Bioscanner SCC

The Single Channel Counter is a sophisticated electronic device specially designed for counting both small and large fish on fish farms.



The V-channel - 1

For counting small and medium sized fish, 3 g - 750 g. Regulates the flow of fish and water and separates the fish, making it possible to count them.



The V-channel - 3

For counting medium sized to big fish, 500 g - 6 kg. Regulates the flow of fish and water and separates the fish, making it possible to count them.



The Scanner Unit

"Sees" the fish as they pass through the V-channel, counts them and relays data to the Control Unit via the cable.



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