



Quality Control Device

The Quality Control Device (QCD) is an accessory to the Mark IV Tag Injector, to which it is connected by a 3 m cable. After tagging, the operator drops the fish into the QCD inlet tray and it is carried through the device by a small flow of water. The QCD detects the presence of a tag of any format passing through it, and separates tagged and untagged fish. It passes the information on each tag detected back to the Mark IV, which maintains a record of the number of tagged fish passed through the QCD. If no tag has been detected by the QCD, an alarm sounds before the Mark IV is used to tag another fish. The lack of such an alarm signal tells the operator that each fish being passed into the QCD has a properly magnetized tag.

Any untagged fish are diverted to a separate container and can be immediately recovered for examination. The QCD can also be used to

separate small tagged and untagged fish at any time - for example to check for tag retention some time after tagging - but it must be connected to a Mark IV to do so. The tube of the QCD has an internal diameter of 2.5 inches (63 mm) which dictates the upper limit to the size of fish with which it can be deployed. A flapper gate in the QCD is used to separate tagged and untagged fish. Water flow is adjustable to maintain fish speed through the detector.

The QCD is constructed from high-quality materials and is suited to operating with fresh or salt water. Lightweight components and folding legs make it easy to transport and set up. Most of the connectors are standard hose or "quick connect" type. An optional transit case is available.



Specifications

Dimensions: (set up ready to use) 30 tall with legs extended x 9 wide (22 with legs spread) x 45 inches (76 x 23 (56 with legs spread) x 114 cm)

Weight (ready to use) with power supply and interconnect cable 37 lb (18 kg)

Shipping Dimensions: 38 x 18 x 15 inches (97 x 46 x 38 cm); 52 lb (23.6 kg)

Shipping Dimensions: (in optional transit case) 43 x 16 x 16 inches (109 x 41 x 41 cm); 76 lbs (35 kg)

Power requirement: 24 volts DC. When connected, the QCD provides power via cable to the Mark IV.

The QCD carries the standard Northwest Marine Technology warranty and can be purchased or rented.

For further information please visit our website www.nmt.us or contact NMT by phone +1-360-468-3375 or by email:

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