**FishMeter**

**Specification - Quality - References**

**FishMeter**

**General**
- Electronic measuring board for recording of fish data
- Operated with a magnet attached to the operator’s index finger, which activates a string of magnetic sensors
- The magnetic marker is used for entering length on a magnetic length scale with a resolution of 5 mm. In addition there are magnetic keys for entering numbers, species and other functions.
- An additional length scale with a resolution of 1 mm can be used in combination with the number keys.
- Waterproof according to IP67
- Not affected by fish blood or dirt
- Connected to a PC with a USB interface or wireless connection. PC not included.

<table>
<thead>
<tr>
<th>Interface USB model</th>
<th>Interface wireless model</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB 1.1</td>
<td>Bluetooth</td>
</tr>
</tbody>
</table>

**Marker type**
- Magnetic

**Protection**
- IP67

**Resolution**
- 5 mm on magnetic scale
- 1 mm by number keys

<table>
<thead>
<tr>
<th>FM 50 cm</th>
<th>FM 100 cm</th>
<th>FM 120 cm</th>
</tr>
</thead>
</table>

**Keys**
- **Species:** 1
- **Numbers:** 0-9
- **Length scale:** 0-50 cm
- **Weight key**
- **Sex keys**
- **Function keys (F1)**
- **Clear entry key**
- **Clear parameter key**
- **Menu key**

- **Species:** 1-20 direct, up to 500 indirect
- **Numbers:** 0-9
- **Length scale:** 0-100 cm
- **Weight key**
- **Sex key**
- **Function keys (F1 and F2)**
- **Clear entry key**
- **Clear parameter key**
- **Menu key**

- **Species:** 1-25 direct, up to 500 indirect
- **Numbers:** 0-9
- **Length scale:** 0-120 cm
- **Weight keys**
- **Sex keys**
- **Function keys (F1 and F2)**
- **Clear entry key**
- **Clear parameter key**
- **Menu key**

**Measuring range**
- 50 cm direct
- 100 cm maximum
- 120 cm direct
- 120 cm maximum

**Dimensions USB models**
- 66 x 17 x 7 cm
- 120 x 25 x 8 cm
- 139 x 25 x 8 cm

**Dimensions wireless models**
- 72 x 17 x 9 cm
- 133 x 25 x 9 cm
- 144 x 25 x 9 cm

**Weight USB models**
- 3,6 kg
- 9,6 kg
- 11,8 kg

**Weight wireless models**
- 5,1 kg
- 9,6 kg
- 14 kg
## FishMeter driver

**General**
- Unified driver supporting the full range of FishMeter measuring boards
- USB and Bluetooth versions supported through a common interface
- Supplied to end users interested in integrating FishMeter support in their own application
- Offers a C#/.NET class library for linking into the users application
- Includes a COM interface for easy integration with Visual Basic for Applications
- Easy to use example code supplied to reduce implementation time
- Based on the .NET framework version 4.0
- Supported by Windows 7, 8 and 10, 32- and 64-bit versions

<table>
<thead>
<tr>
<th>Database</th>
<th>Defined by the user application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structure</td>
<td>Defined by the user application</td>
</tr>
<tr>
<td>Species</td>
<td>Species keys on measuring board accessible from driver.</td>
</tr>
<tr>
<td>Parameters</td>
<td>No limitations. Defined by the user application.</td>
</tr>
<tr>
<td>Data inputs</td>
<td>Any USB or Wireless Scantrol Deep Vision FishMeter, dependent on user hardware (USB or Bluetooth required)</td>
</tr>
<tr>
<td>Audible user feedback</td>
<td>Defined by the user application</td>
</tr>
<tr>
<td>Compatability</td>
<td>Windows XP, Windows 7, Windows 8. Windows 10, 32- and 64-bit versions supported</td>
</tr>
</tbody>
</table>
# FishMeter Link

## General
- Universal software that makes the FishMeter data input appear as keyboard input
- Works with any application capable of receiving keyboard input
- Supports the full range of FishMeter measuring boards
- Quickly connects with your Bluetooth or USB FishMeter
- Highly user configurable yet easy to use straight out of the box
- Applies specific keystroke sequences for data entry, form navigation or anything else to any key on the FishMeter
- Add prefixes or suffixes to your measurements
- Embed your input data in formulas (for capable applications)
- Minimum time spent on configuration and setup – start your sampling work right away
- Based on the .NET framework version 4.0
- Supported by Windows 7, 8 and 10, 32- and 64-bit versions

## Database
- No integrated database. Inputs data into any database front end as keyboard input.

## Structure
- No internal data structure. Defined by the user application

## Species
- Dependent on the user application. Species keys configurable

## Parameters
- No limitations. Defined by the user application

## Data inputs
- Any USB or wireless Scantrol Deep Vision FishMeter, dependent on user hardware (USB or Bluetooth required)

## Audible user feedback
- Yes

## Compatibility
# Quality

**Fish measuring board**
- The FishMeter is designed according to the highest quality standards, for safe and efficient operation in rough environment.

<table>
<thead>
<tr>
<th>Materials</th>
<th>Only materials that are compatible with sea water environment and fish handling are used in the FishMeter. The board base is made of POM and stainless steel. The board is easy to keep clean and can be flushed with both hot and cold water.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensors</td>
<td>Magnetic sensors are mounted in a stainless steel pipe that is mounted inside the base of the board. The sensors are protected by a double o-ring seal. The magnetic sensors are activated by a magnet and are not influenced by water or dirt on the base of the board.</td>
</tr>
<tr>
<td>Connectors</td>
<td>Fisher type IP67</td>
</tr>
<tr>
<td>Cable</td>
<td>Polyurethane</td>
</tr>
</tbody>
</table>
| Test        | Environmental test  
              Functional test                                                                                                                                         |
| Environmental | Temperature range: -10 to +40 degrees Celsius  
                  IP67                                                                                                           |
**Technical support**

**General**  
Technical support can be obtained from our main office in Bergen, Norway.

| **Main office** | Scantrol Deep Vision AS  
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|                 | Phone: +47 55 30 15 19 |
| **Sales**       | info@deepvision.no |
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