Electric and control boxes for Mirafeed feeders

- **Miranda ACB Micro**: Basic control
- **Miranda ACB Lite**: Medium control
- **Miranda ACB Feed**: High control
- **Miranda ACB Feed + Miranda SDA**: Full control
Local configuration
Monochrome display
Main ON/OFF switch

SETTINGS:
• Group temporary window (start and stop interval)
• Individual timer for feeding (ON in seconds, OFF in minutes)
Local configuration
PLC with monochrome touch screen 3,8”, 3-color backlight
Main ON/OFF switch
Real time clock
SETTINGS:
• Individual temporary window for feeders (start and stop hours with real time clock)
• Individual number of doses
• Individual duration of doses in seconds (0.1 sec. resolution)
Local configuration
Internet remote maintenance
PLC with colour touch screen 7” IP66
Main ON/OFF switch
Real time clock

SETTINGS:
• Individual temporary window for feeders (start and stop hours with real time clock)
• Individual number of doses
• Individual doses: duration (0.1 sec.) or grams (0.1 gr.)
• Feeder calibration wizard

OPTIONAL
Auto-demand feeding control using INNOVAQUA`s sensors (electronic pendulum, infrared, stretching,..)

Miranda SDA compatible
## Miranda Automatic Control Boxes

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<th>Miranda ACB</th>
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<th>Lite</th>
<th>Feed</th>
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<tr>
<td>Configuration</td>
<td>Local</td>
<td>Local</td>
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<tr>
<td>Remote maintenance</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
</tr>
<tr>
<td>Display</td>
<td>Mono</td>
<td>Mono 3,8&quot;</td>
<td>Colour 7&quot;</td>
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<tr>
<td>Touch screen</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>Real Time clock</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>Temporary window</td>
<td>Group</td>
<td>Individual</td>
<td>Individual</td>
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<tr>
<td>Feeding</td>
<td>Timer ON/OFF</td>
<td>Doses (time)</td>
<td>Doses (time/grams)</td>
</tr>
<tr>
<td>Feeder calibration wizard</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
</tr>
<tr>
<td>Auto-demand control</td>
<td>NO</td>
<td>NO</td>
<td>OPTIONAL</td>
</tr>
<tr>
<td>Miranda SDA Compatible</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
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</tbody>
</table>
Mirafeed controlled by Miranda SDA

Outstanding Fish Feed Management
Rugged Supervisor Data Acquisition

Local (LAN) or remote (Internet) Access
Parameters and status display in real-time
Management of historical data graphs
Information export in CSV file
Alarm management (SMS/e-mail)
Automatic Back-up in local removable USB device
Key-code system (easy replacement)
MySQL database engine
APACHE web server with php technology

Includes FEEDER MODULE

Needs Miranda ACB Feed
Remote feeders programming and supervision

Individual or group of feeders program:
- Daily food amount
- Number of daily doses
- Time of first and last dose
- Feeding table configurable by user (species, culture phase, size of pellet,...)

Automatic calculation of feeding based in custom growing tables configurable by user

Special Larvae: Feeding calculation using volume and days post hatching (dph)

Feeding correction (samples, mortality...)

Possibility of probes integration with feeding adjust:
- Temperature: for automatic growing prediction and feeding tables
- Oxygen: for feeding suspension if low levels

Access to the records to see historical data with graphic interface.
Miranda Monitoring & control system for aquaculture

Full control of machines, sensors and all processes from anywhere

Designed and manufactured in the EU by

INNOVAQUA