XP line
small size, great power

XP51 Birds scale
Main feature

The main feature of the XP51 is the color display screen (3.5") with 320x240 dots resolution with led backlighting. XP61 is made in DIN 96x96 format and the module dimensions are 96x96mm.

The user interface is easy and friendly. The easy touch screen system gives both the typical "easy to use" approach of a touch screen system and the strength and mechanical protection of a polycarbonate IP55 keyboard.

At every screen the function keys display a different graphic making the program very user friendly.

The user can select the display language: all the wordings, acronyms and "help" texts for programming assistance will be displayed in the chosen language.

Each programming step has its own help screen so the program has a "built in" instruction manual.
XP51 makes the weight control by a multi-weighing system. For each weighed bird the program makes an automatic tare before weighing the next bird. By using the multi-tare system bird weighing is done even if the bird does not get off the scale.

Management of water and feed consumptions. By connecting the water meter and the feed meter you can record the daily consumption of water and feed. Beside this you also record the total consumptions of the cycle.
Weighing plates:
a specific plate for each type of animal to be weighed

Why an suspended/oscillating weighing plate?

- The plate can be adjusted to be close to the litter so birds can easily jump on it.
- The oscillating plate prevents birds to stay too long on the plate (or even to get sleep on it) reducing the number of daily measurements.
- The round plate (diam 76 for chicks and 98 for turkeys) makes it easy for birds to jump on it.
- The connecting cable is NOT on the floor, preventing wear off and cuttings.
- The load cell is well protected from moisture and dust.
- The mechanical part of the weighing system is easily removed at end of cycle.
- It's well visible in the shed, preventing bumps and crashes.
- Any height can be reached by adding extensions.
Capture system mode

Automatic weight capture:
Capture weight is calculated according to the daily average and it's automatically updated after each capture.

Target weight capture:
When both males and females are raised in the same shed you can (by installing 2 x XP51) differentiate the capture weight of each weigh according to the target weight. So one weigh will weight the males and the other the females.
Other available connections

- **USB plug**
  XP51 has a USB plug on the back. When selecting the USBP option, you can get a USB plug with a (IP65) protection cap externally mounted so you can access the USB without having to go to the back of the unit.

- **XNET**
  Network connection card (optional) for XP51 processor (see remote supervision)
Sample screenshots

Viewing operating condition

Viewing program state

Viewing inputs state

Viewing output state

Settings selection

Settings capture weight

Settings calendar target weight

Start cycle sequence

Archive to display selection

Birds-scale archive

Birds-scale chart

Feeding archive
The communication with the outside world is performed by USB key

- **Export archives**
  XP51 save in the USB memory a file containing all the day by day recorded data of the cycle. Connecting the USB key to a PC and by suing the XP51 Dialogue software you can browse the recorded data in grid or graph formats.

- **Importing / saving the setting**
  You can save a file with all back-up infos on a USB file. Saved settings can be uploaded on XP51 anytime by a user friendly procedure.
Remote supervision of XP51 processors grants the full management of system by PC.

The XP51 Net Pro supervision software enables the full remote control of network connected processors. ULAN peripheral is connected to PC through a USB connection. HP51 – ULAN connection is done by a simple 3 wires cable. In all cases where ULAN cannot be cabled to XP51 we can supply TR04 radio-modems with a reach of 400 mt.

Components for creating a supervision system:

- **ULAN**: Network server Pc (with USB connection)
- **XNET**: Network adapter card (one for each XP51)
- **TR04**: Radio-modem 485 (optional, to be used only when it is not possible to use the cable)
Available options

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>XP51</td>
<td>Birds-scale controller (DIN96 panel mounting)</td>
</tr>
<tr>
<td>W01</td>
<td>IP55 box for wall mounting + gasket + transparent cover</td>
</tr>
<tr>
<td>USBP</td>
<td>USB IP65 external plug (to be mounted externally, for access to the USB without the need to access the back of the XP51)</td>
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<tr>
<td>PWS0</td>
<td>Floor bird scale for parents</td>
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<tr>
<td>PWS1</td>
<td>Suspended bird scale chicks</td>
</tr>
<tr>
<td>PWS2</td>
<td>Suspended bird scale for turkeys</td>
</tr>
<tr>
<td>PWS3</td>
<td>Suspended bird scale for cage layers</td>
</tr>
<tr>
<td>CWD</td>
<td>Water counter</td>
</tr>
<tr>
<td>XNET</td>
<td>Network nodal point</td>
</tr>
<tr>
<td>ULAN</td>
<td>Network server Pc (with USB connection)</td>
</tr>
<tr>
<td>TR04</td>
<td>Radio-modem 485 (IP55 junction box with power supply 230/12v)</td>
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</tbody>
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40 YEARS OF INNOVATION