XP line
small size, great power

XP46 Egg incubator
The main feature of the XP46 is the color display screen (3.5") with 320x240 dots resolution with LED backlighting. XP46 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 IP54 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.
Egg incubator control

XP46 temperature/humidity/CO2 egg incubator control
Inputs and outputs

- Temperature probe
- Humidity probe
- CO2 probe

Outputs:
- Heating
- Cooling
- Humidification
- Dehumidification
- 0-10V air shutter
- HDY6 outputs (optional slot)
  - HDY6 outputs (optional slot)
  - Turn-eggs
  - Air shutter
  - Aux.1
  - Aux.2
  - Alarm

Other available connections:
- USB plug
  XP46 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 XP46 processor (see remote supervision).
Sample screenshots

Viewing screens
- Viewing operating condition

Settings screens
- Settings selection
- Temperature setting
- Humidity setting
- Alarm settings

Archive screen
- Archives to display selection
- Cycle temperature chart
- Total cycle archive
The communication with the outside world is performed by USB key.

- **Export archives**
  XP46 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 using the **XP46 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 **XP66** anytime by a user friendly procedure.
Sensors type selection

Temperature

- SX
  - Ambient temperature probe

Humidity

- SXPS
  - Wet bulb temperature probe (for psychometric measure)
- RHR + HA20s
  - 0...100% humidity probe + Power supply

CO2

- CO2E + HA20s
  - CO2 probe 0...10,000ppm + Power supply
Remote supervision of XP46 processors grants the full management of the system by PC.

The XP46 Net Pro supervision software enables the full remote control of network-connected processors. ULAN peripheral is connected to PC through a USB connection. XP46 – ULAN connection is done by a simple 3 wires cable. In all cases where ULAN cannot be cabled to XP46, 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 XP46)
- TR04: Radio-modem 485 (optional, to be used only when it is not possible to use the cable)
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>XP46</td>
<td>Egg incubator control (DIN96 panel mounting)</td>
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<tr>
<td>W01</td>
<td>IP54 box for wall mounting + gasket + transparent cover</td>
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<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 XP46)</td>
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<tr>
<td>HDY6</td>
<td>Relays extension slot</td>
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<td>SX</td>
<td>Temperature probe</td>
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<td>HA20s</td>
<td>Power pack for RHR/CO2E</td>
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<td>XNET</td>
<td>Network nodal point</td>
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<tr>
<td>ULAN</td>
<td>Network server Pc (with USB connection)</td>
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<td>TR04</td>
<td>Radio-modem 485 (IP55 junction box with power supply 230/12v)</td>
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