XP line
small size, great power

XP68 Data logger

XP38 data logger
Main feature

The main feature of the XP68 is the color display screen (3.5") with 320x240 dots resolution with led backlighting. XP68 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.
XP68 is a data logger for recording the following parameters:

- Ambient temperature
- Ambient humidity
- AmbientCO2
- AmbientNH3
- External temperature

The daily archive records for each parameter:

- Minimum / average / maximum values for a maximum of 1000 days
- For each day, 96 values are recorded with a frequency of 15 minutes

The recordings can be conveniently exported to USB memory and thanks to the online service XP Dialogue displayed in various formats directly on personal computers or other devices.
In addition to the general alarm signal for exceeding one of the controlled parameters (Temperature, Humidity, CO2, NH3), an alarm signal is also available for each controlled parameter that allows to interact with the ventilation / air-exchange system in the case of exceeding the maximum alarm values set.
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Other available connections

- **USB plug**
  XP68 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 XP68 processor (see remote supervision)
Sensor Choice

Ambient temperature

- SX Temperature probe

Outdoor temperature

- SX Temperature probe

Humidity

- WT1 Psychrometric kit dry bulb and wet bulb for humidity control.
  In this case the ambient temperature probe is not to be ordered as it is already included.

- RHR + HA20s Humidity probe 0...100% + power supply

CO2

- CO2E + HA20s Carbon dioxide probe 0...10,000ppm + power supply

NH3

- NH3D + HAR5 Ammonia probe 0...100ppm + power supply
The communication with the outside world is performed by USB key.

- Export archives
  XP68 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 on-line XP Dialogue service 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 XP68 anytime by a user friendly procedure.

XP Dialogue on line service example
Remote supervision of XP68 processors grants the full management of system by PC.

The XP68 Net Pro supervision software enables the full remote control of network connected processors. ULAN peripheral is connected to PC through a USB connection. XP68 – ULAN connection is done by a simple 3 wires cable. In all cases where ULAN cannot be cabled to XP68 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 XP68)
- 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>
</tr>
</thead>
<tbody>
<tr>
<td>XP68</td>
<td>Data logger (DIN96 panel mounting)</td>
</tr>
<tr>
<td>W01</td>
<td>IP54 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 XP68)</td>
</tr>
<tr>
<td>SX</td>
<td>Temperature probe</td>
</tr>
<tr>
<td>WT1</td>
<td>Psychrometric kit dry bulb and wet bulb for humidity control. Includes the SX temperature sensor (so you do not need to order an extra SX when the WT1 kit is installed)</td>
</tr>
<tr>
<td>RHR</td>
<td>0...100% humidity probe</td>
</tr>
<tr>
<td>CO2E</td>
<td>Power pack for RHR humidity probe</td>
</tr>
<tr>
<td>NH3D</td>
<td>Ammonia probe 0... 100ppm</td>
</tr>
<tr>
<td>HA20s</td>
<td>Power pack for RHR/CO2E probe</td>
</tr>
<tr>
<td>HAR5</td>
<td>Power pack for NH3D probe</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>
</tr>
</tbody>
</table>
Available options

XP68  
W01

SX  
WT1  
RHR  
CO2E  
NH3D

HA20s  
HARS  
ULAN  
XNET  
USBP  
TR04