

Data-logger and alarm



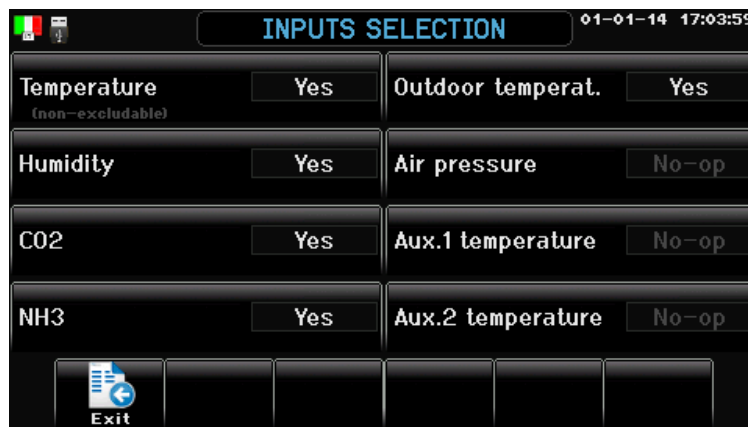
Xlog has a user friendly program



Actual size: 200x110mm

The main feature of the **Xlog** is the color display screen (4.3") with WQVGA 480x272 dots resolution with led backlighting.

The user interface is easy and friendly. The **easy touch** screen systems gives both the typical "easy to use" approach of a touch screen system and the strength and mechanical protection of a polycarbonate IP65 keyboard.



The various screenshots and some settings too are displayed according to the **Xlog** settings in *Configuration*.

Xlog records the following data:

- 1= Environment temperature*
- 2= Environment humidity*
- 3= Environment CO2*
- 4= Environment NH3*
- 5= Outdoor temperature*
- 6= Environment static pressure
- 7= Auxiliary 1 temperature
- 8= Auxiliary 2 temperature

The above data are recorded daily for the entire duration of cycle (512 days max).
Data are sampled with 15 min frequency and stored in the system memory.

* with complies with 2007/43/CE Animal Welfare directives.

Environmental parameters alarm

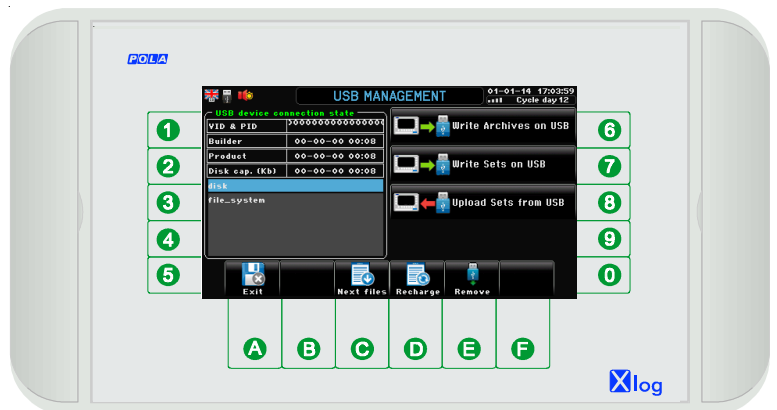
Besides the data-logger function Xlog (temp, %Rh, CO2, NH3, environment static pressure) the alarm set which is triggered anytime the threshold value is reached.

Besides the General Alarm (onboard Xlog), when using the HDY6 extension, you also have a contact for each single alarm so a quick action can be taken on the ventilation system to push the controlled parameter back to the required limits according to the animal wellness target.

Data transfer

Communication with external world is by USB pen drive.

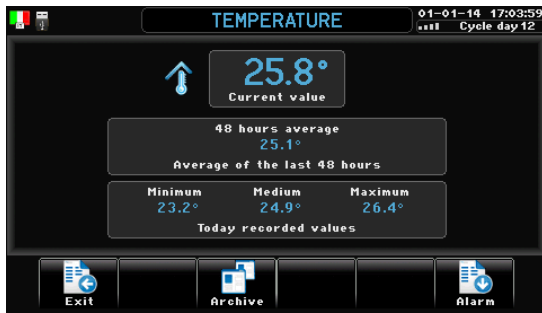
By **Xlog Dialogue** program you can monitor on your PC all the data exported thru the USB keys.



Controlled parameters

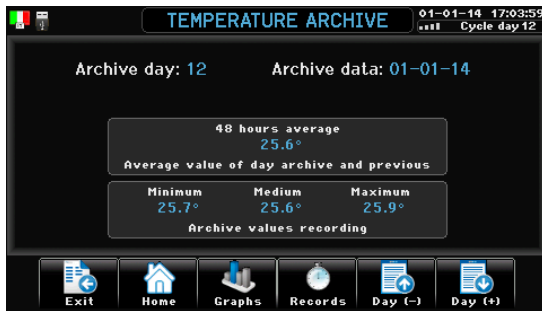


Zoom on Indoor temperature (same structure applies to the other parameters)



Temperature details

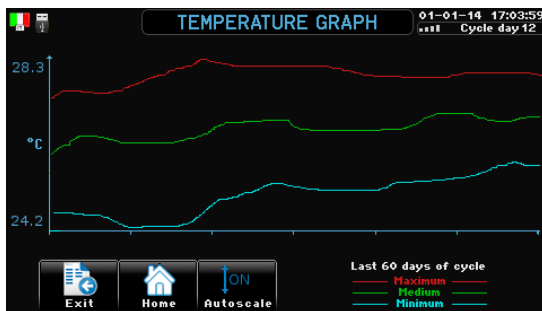
- Current temperature
- Average value in the last 48 hours
- Min/Max values during current day.



Daily temperature archive

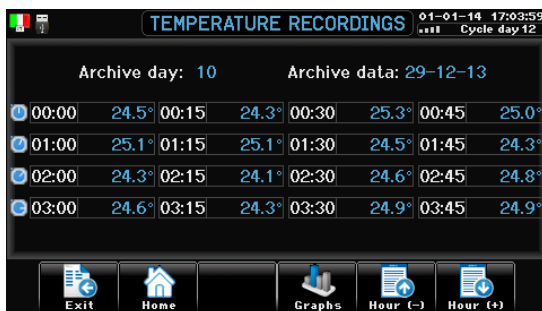
For all days of cycle:

- Average value in the last 48 hours
- Min/Max values during current day of cycle.



Temperature diagram

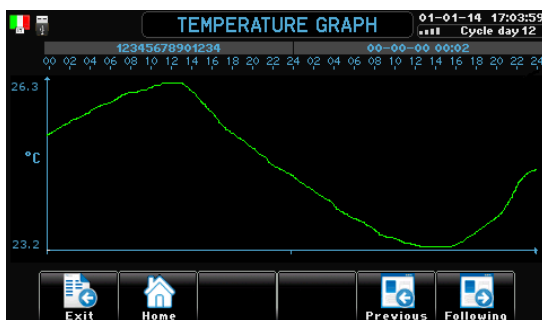
- Min/Average/Max values referred to the last 60 days of cycle.



Temperature hourly archive

For every day of cycle:

- 96 recordings per day.



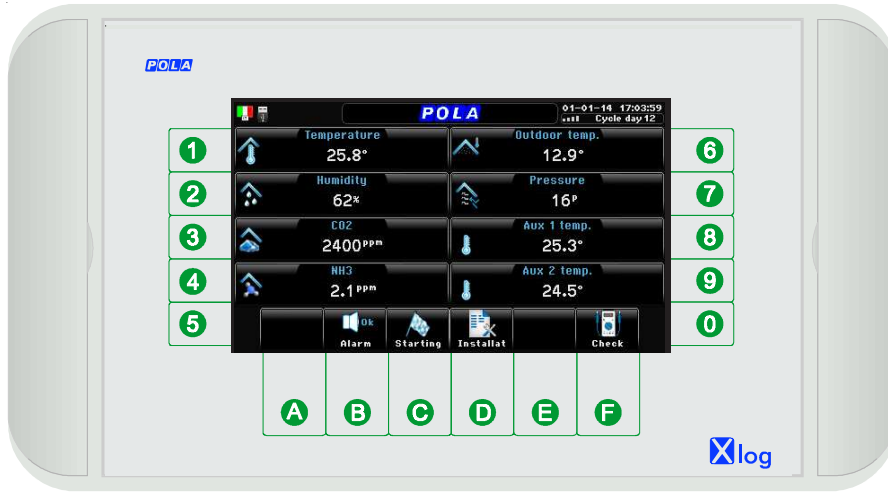
Temperature diagram

- Value of temperature recorded every 15 minutes for every day of cycle.

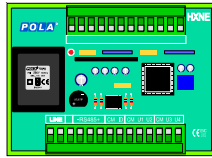
Zoom on alarms



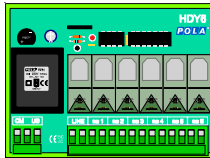
Layout components



Xlog computer



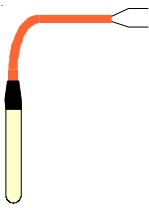
HXNE
N.8 Analogs Inputs unit



HDY6
N.6 Relays Output unit



HA20
Power-pack for probe



SX
Temperature probe



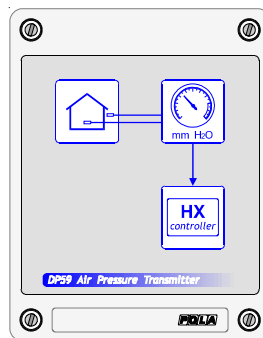
RHR
Humidity probe



CO2E
CO2 probe



NH3M
NHE probe



DP59/W
Negative pressure controller

Component list

This is a typical example of the components need to control:

Environment temperature
Environment humidity
Environment CO2
Outdoor temperature

The component list will then be:

- N.1 **Xlog** (central unit)
- N.1 **HXNE** (inputs extension)
- N.2 **SX** (1 environmental temperature probe + 1 outdoor temperature probe)
- N.1 **RHR** + **HA20** (humidity probe + power-pack)
- N.1 **CO2E** + **HA20** (CO2 probe + power-pack)
- N.1 **USBP** (USB IP55 external plug)*¹
- N.1 **HDY6** (Relay outputs extension)*²

<i>Model</i>	<i>Price Euro</i>	<i>Description</i>
Xlog	630,00	Central unit
HXNE	171,00	Inputs extension
SX	8,60	Temperature probe
RHR	320,00	Humidity probe 0...100%
CO2E	560,00	CO2 probe 0...10.000ppm
HA20	42,00	Power-pack for probe
USBP * ¹	34,00	USB IP65 external plug
HDY6 * ²	85,00	Relay outputs extension
DP59/W * ³	290,00	Negative pressure controller
NH3M * ⁴	- - -	NH3 probe 0.0...100.0ppm

*¹ **Xlog** comes with a **USB** plug which is located inside its box.

As option we can also deliver (**USBP**) a professional IP65 waterproof USB plug to be installed on the box itself so USB port can be reached without opening the box.

*² Besides the data-logger function **Xlog** (temp, %Rh, CO2, NH3, ambient negative pressure) the alarm set which is triggered anytime the threshold value is reached.

Besides the General Alarm (onboard **Xlog**), when using the **HDY6** extension, you also have a contact for each single alarm so a quick action can be taken on the ventilation system to push the controlled parameter back to the required limits according to the animal wellness target.

*³ By the **DP59/W** depressiometer you can trigger an alarm anytime the system goes below a preset value of depression. This typically happens when ventilation does not work properly. This alarm enables a fast reaction to avoid bird suffocation.

*⁴ NH3 Ammonia. The available sensors are of electrochemical type and their duration and accuracy can vary greatly according to ammonia concentration. This sensor is not supplied by us.

