

# Data-logger and alarm



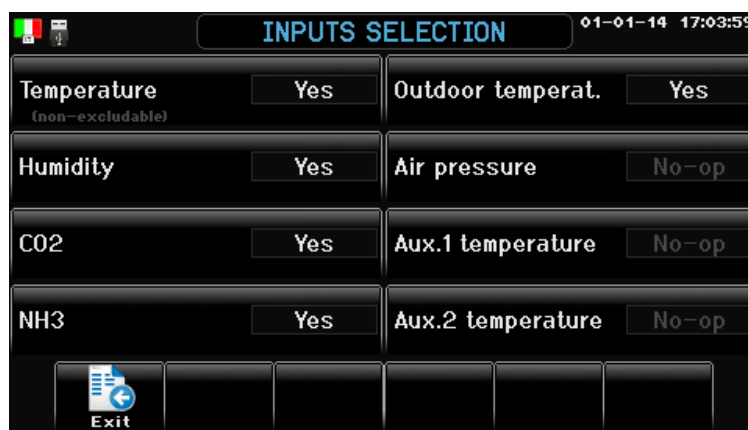
**Xlog** has a user friendly program



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

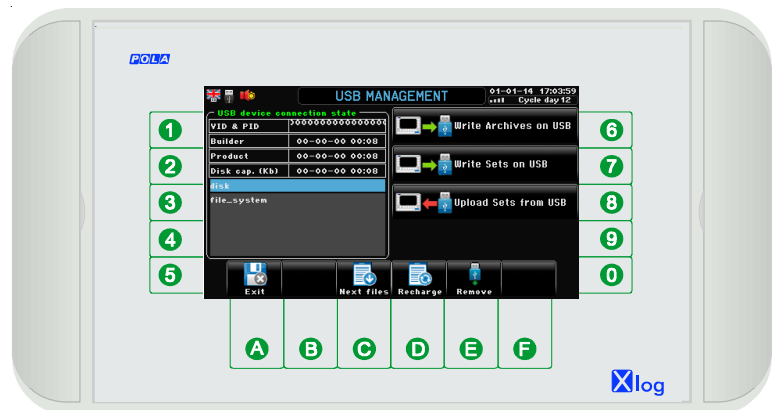
Besides the data-logger function Xlog (temp, %Rh, CO2, NH3, environment static pressure) the alarm set which is triggered anytime the threshold value is reached.

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.

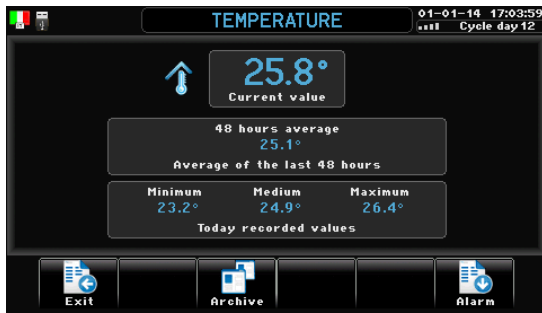
By **Xlog Dialogue** program you can monitor on your PC all the data exported thru the USB keys.



# Controlled parameters

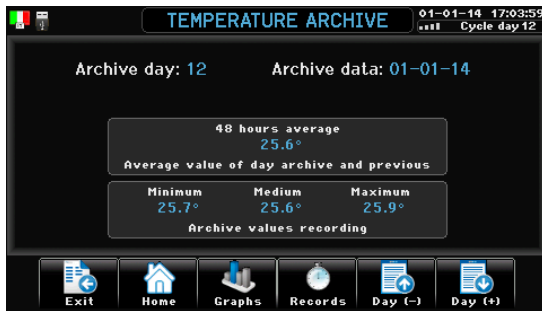


## Zoom on Indoor temperature (same structure applies to the other parameters)



### Temperature details

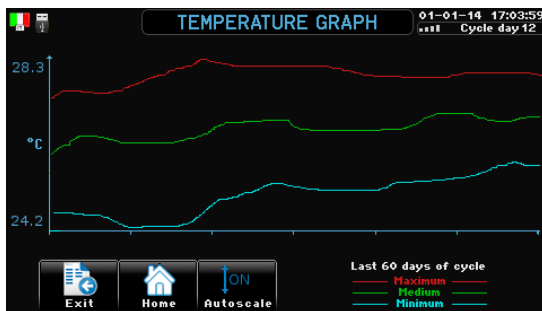
- Current temperature
- Average value in the last 48 hours
- Min/Max values during current day.



### Daily temperature archive

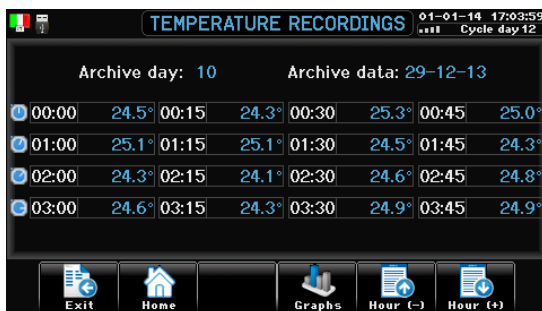
For all days of cycle:

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



### Temperature diagram

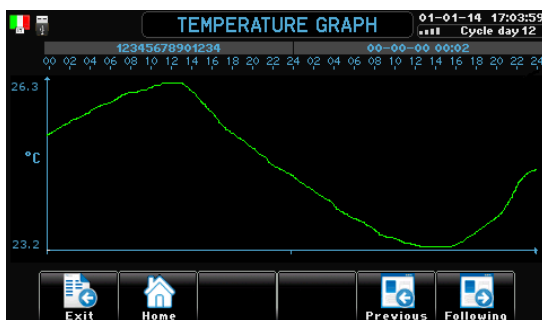
- Min/Average/Max values referred to the last 60 days of cycle.



### 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.

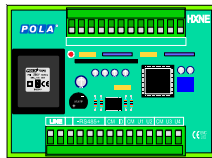
## Zoom on alarms



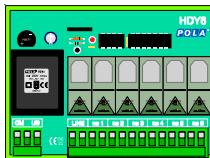
# Layout components



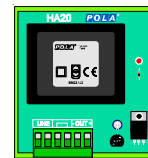
**Xlog computer**



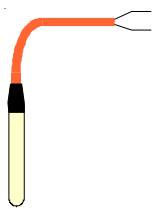
**HXNE**  
N.8 Analogs Inputs unit



**HDY6**  
N.6 Relays Output unit



**HA20**  
Power-pack for probe



**SX**  
Temperature probe



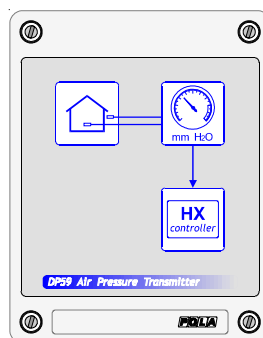
**RHR**  
Humidity probe



**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  
Environment NH3  
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 **NH3M** + **HA20** (NH3 probe + power-pack)
- N.1 **USBP** (USB IP55 external plug)\*<sup>1</sup>
- N.1 **HDY6** (Relay outputs extension)\*<sup>2</sup>

<i>Model</i>	<i>Price Euro</i>	<i>Description</i>
<b>Xlog</b>	<b>630,00</b>	Central unit
<b>HXNE</b>	<b>171,00</b>	Inputs extension
<b>SX</b>	<b>8,60</b>	Temperature probe
<b>RHR</b>	<b>320,00</b>	Humidity probe 0...100%
<b>CO2E</b>	<b>560,00</b>	CO2 probe 0...10.000ppm
<b>HA20</b>	<b>42,00</b>	Power-pack for probe
<b>USBP</b> * <sup>1</sup>	<b>34,00</b>	USB IP65 external plug
<b>HDY6</b> * <sup>2</sup>	<b>85,00</b>	Relay outputs extension
<b>DP59/W</b> * <sup>3</sup>	<b>290,00</b>	Negative pressure controller
<b>NH3M</b>	<b>1.350,00</b>	NH3 probe 0.0...100.0ppm

\*<sup>1</sup> **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.

\*<sup>2</sup> 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.

\*<sup>3</sup> 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.



