XP line
small size, great power

POLA

	AVERAGE WEIGHT	01-01-13
		17:03:59

49 Age animals

96 Animals N°

1652 Gr Target

48 Gr Daily incr.

+18 Gr Deviation

1670 Grammi — Average weight

1587 Gr Cycle incr.

+1.0% Deviation

Medium Target curve

Check   Settings   Installat   Archive   View 1 2

A B C D E

XP53 Rabbits scale

Main feature

The main feature of the XP53 is the color display screen (3.5") with 320x240 dots resolution with led backlighting. **XP53** is made in DIN 96x96 format and the module dimensions are 96x96mm.
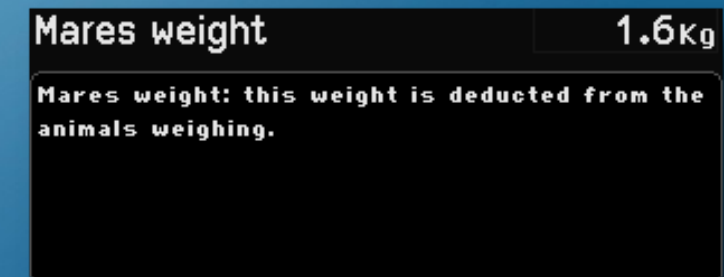

The user interface is easy and friendly.
The easy touch screen system gives both the typical "easy to use" approach of a touch screen system and the strength and mechanical protection of a polycarbonate IP54 keyboard.

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.

Rabbits scale

XP53 Rabbits scale

XP53 controls the weighing of rabbits by controlling the weight of the cage through load cells (typically 4).
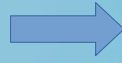
The animal-weight is obtained as follows: the weighing takes place at the Weighing time, the weight of the mares is subtracted from it, and the result divided by the number of animals weighed.

The archive allows you to record the following parameters for all days of the cycle:

- Daily animal-weight
- Daily weight gain
- Weight increase since the start of the cycle
- Comparison with target curve (there are 3 different programmable ones)

XP53
rabbit-scale

I N P U T S

Load cells
rabbits-scale

XP53 Rabbits scale

Other available connections

➜ **USB plug**
XP53 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.
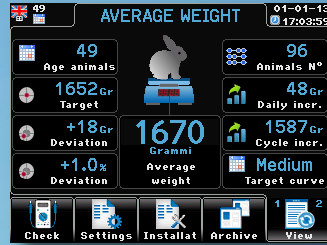
➜ **XNET**
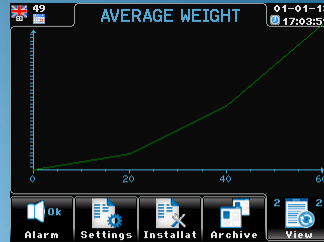Network connection card (optional) for **XP53** processor (see remote supervision)

Sample screenshots

XP53 rabbit-scale
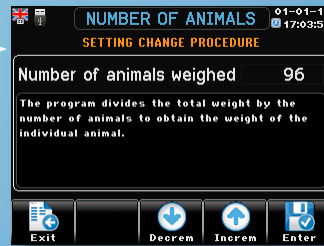
Viewing screens

Home page

Average weight

Settings screens
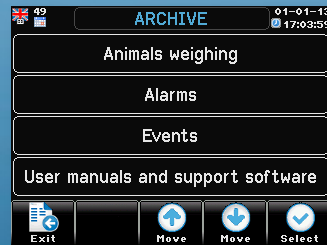

Settings selection

Setting number of animals
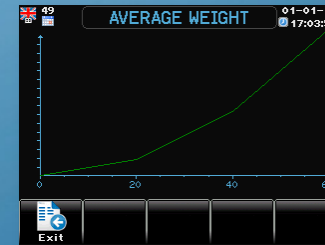

Setting weighing time

Setting mares weight
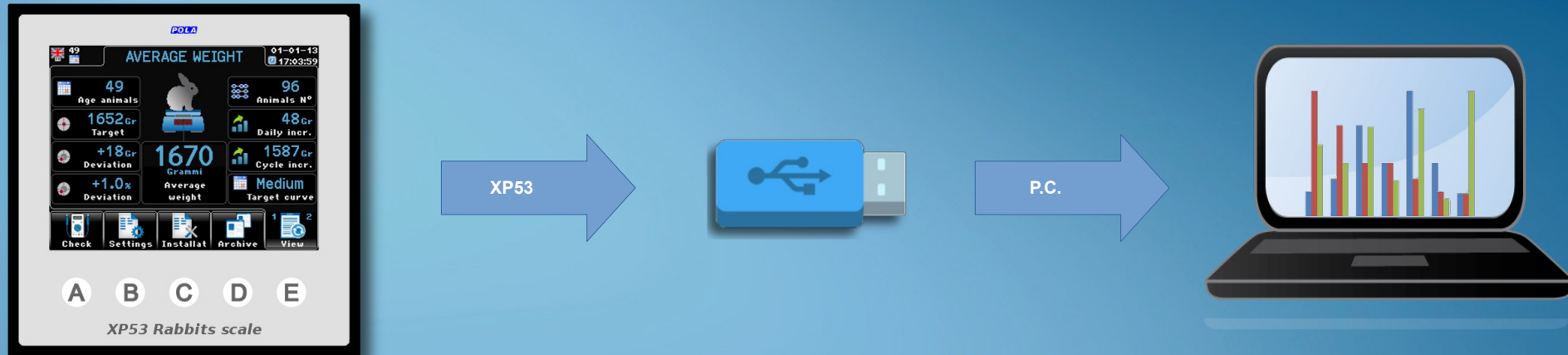
Archive screen

Archive to display selection

Weighings archive

Average weight chart

The communication with the outside world is performed by USB key.

➜ **Export archives**
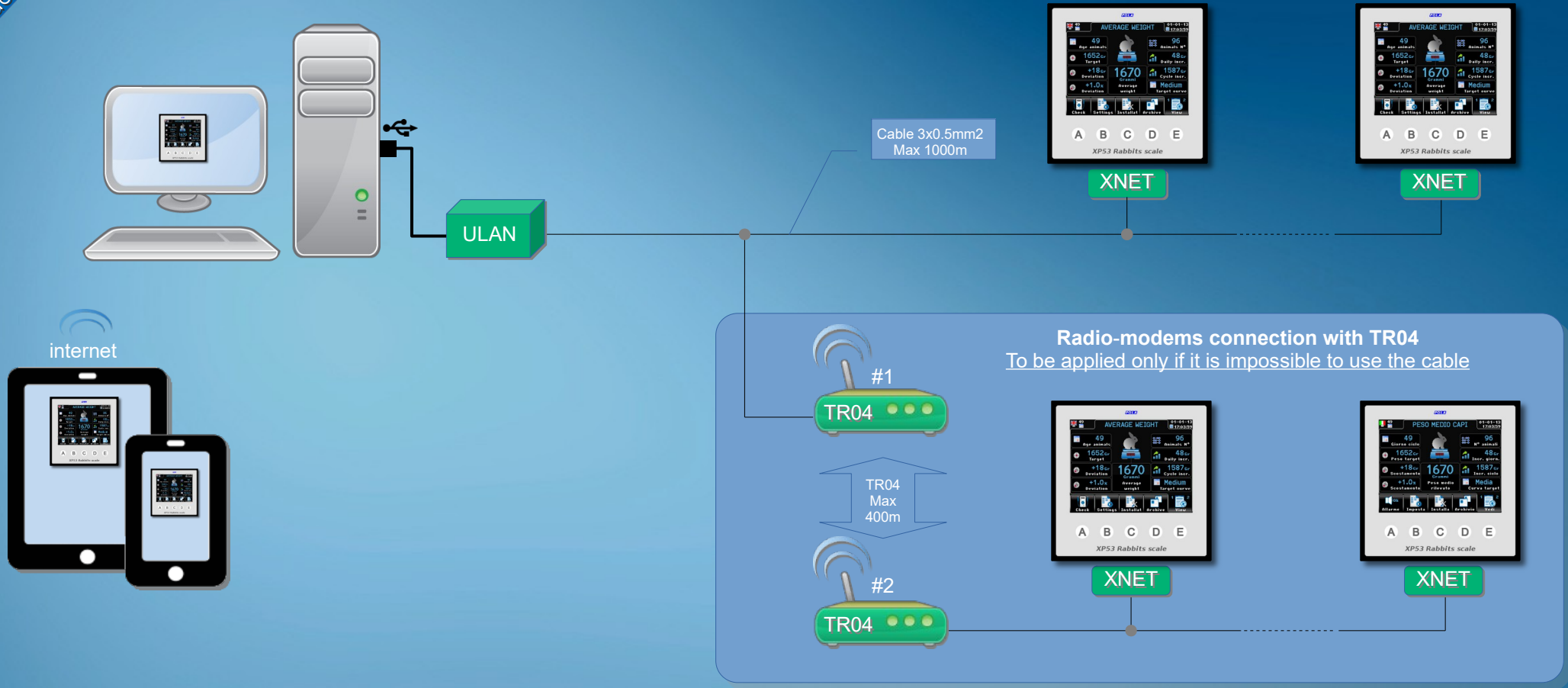XP53 save in the USB memory a file containing all the day by day recorded data of the cycle.
Connecting the USB key to a PC and by using the XP53 **Dialogue** software you can browse the recorded data in grid or graph formats.

➜ **Importing / saving the setting**
You can save a file with all back-up infos on a USB file.
Saved settings can be uploaded on **XP53** anytime by a user friendly procedure.

Remote supervision

Cable 3x0.5mm2
Max 1000m

ULAN

internet

XNET

XNET

Radio-modems connection with TR04
To be applied only if it is impossible to use the cable

#1

TR04

TR04
Max
400m

#2

TR04

XNET

XNET

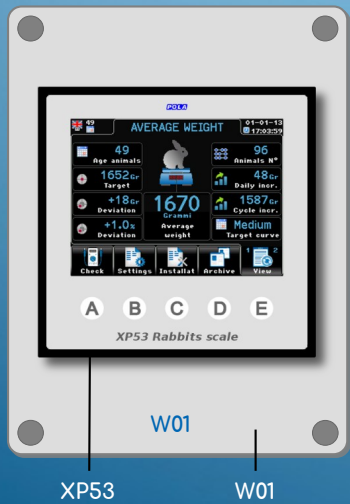Remote supervision of **XP53** processors grants the full management of system by PC.

The XP53 **Net Pro** supervision software enables the full remote control of network connected processors.
ULAN peripheral is connected to PC through a USB connection. XP53 – ULAN connection is done by a simple 3 wires cable.
In all cases where **ULAN** cannot be cabled to **XP53** 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 **XP53**)
- ➔ **TR04**: Radio-modem 485 (optional, to be used only when it is not possible to use the cable)

Options

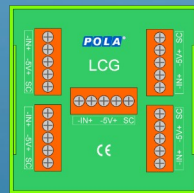| Model	Description
XP53	Rabbits scale controller (DIN96 panel mounting)
--- Options --	
W01	IP54 box for wall mounting + gasket + transparent cover CXP
CXP	Hinged transparent cover for XP + gasket
LCG	Cell junction module
CF150	150Kg stainless steel bending cell (typically 4 are needed). The cell/cage mechanical attachments are not supplied by us
USBP	USB IP65 external plug (to be mounted externally, for access to the USB without the need to access the back of the XP53)
XNET	Network nodal point
ULAN	Network server Pc (with USB connection)
TR04	Radio-modem 485 (IP55 junction box with power supply 230/12v)

CF150

USBP

TR04

XP53   W01

W01

LCG

ULAN

XNET

POLA
www.pola.it

40th
40 YEARS OF INNOVATION