



The new generation of computers, visual, intuitive and accurate.



TIME AND ENERGY SAVER



A TOOL DEVELOPPED WITH FARM PRODUCERS, FOR FARM PRODUCERS.

It was born from the need to simplify equipment management in order to refocus on animal care.

Serenity allows catching in a trice the situation in real time, anticipating and having a fine tuning in livestock following up .



• RANGE POSITIONING



• RANGE POSITIONING



Functionalities









Our range of computers are evolving in order to fulfill your needs by proposing some up to date equipment.

Price



PRINCIPLE

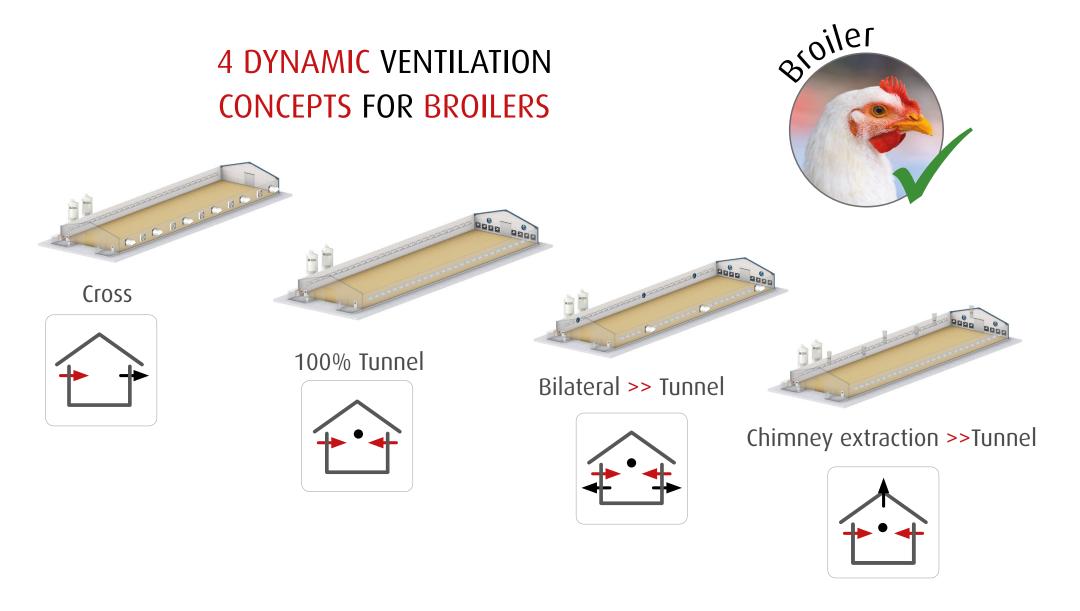
Thanks to data centralization, Serenity computer allows easy farm management

EXAMINE - ANALYSE - TAKE ACTION







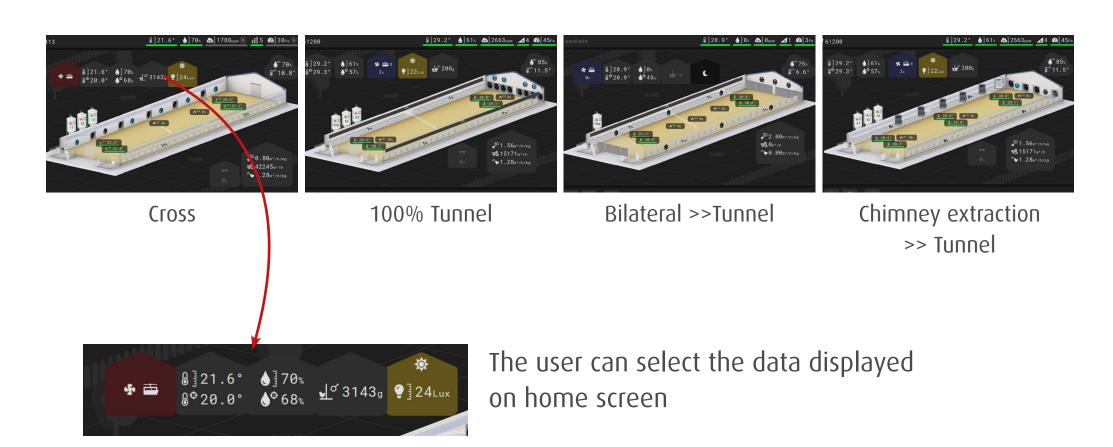






CUSTOMIZATION

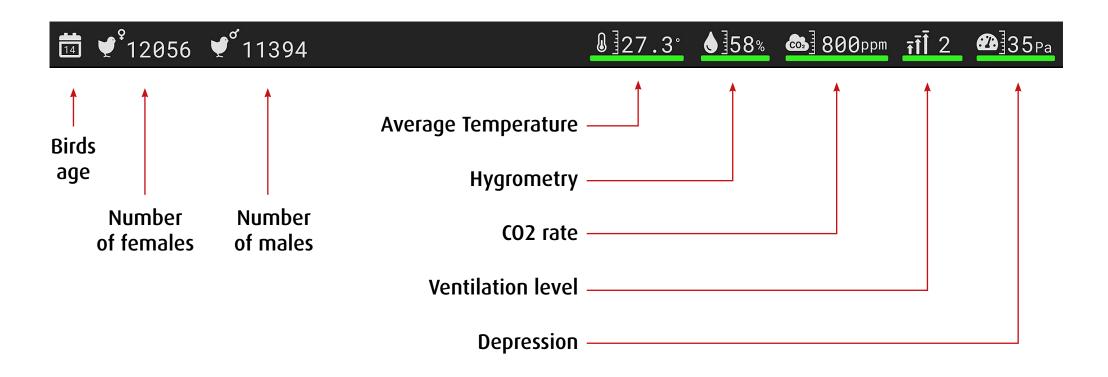
3D building with equipment adapted to each concept





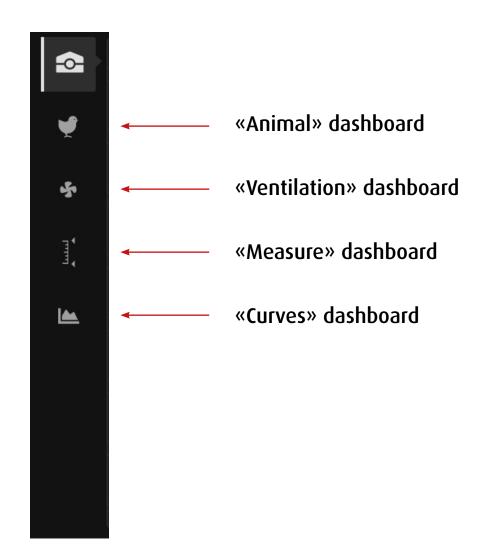
• Use - A status bar to **EXAMINE**

Vital parameters PERMANENTLY DISPLAYED



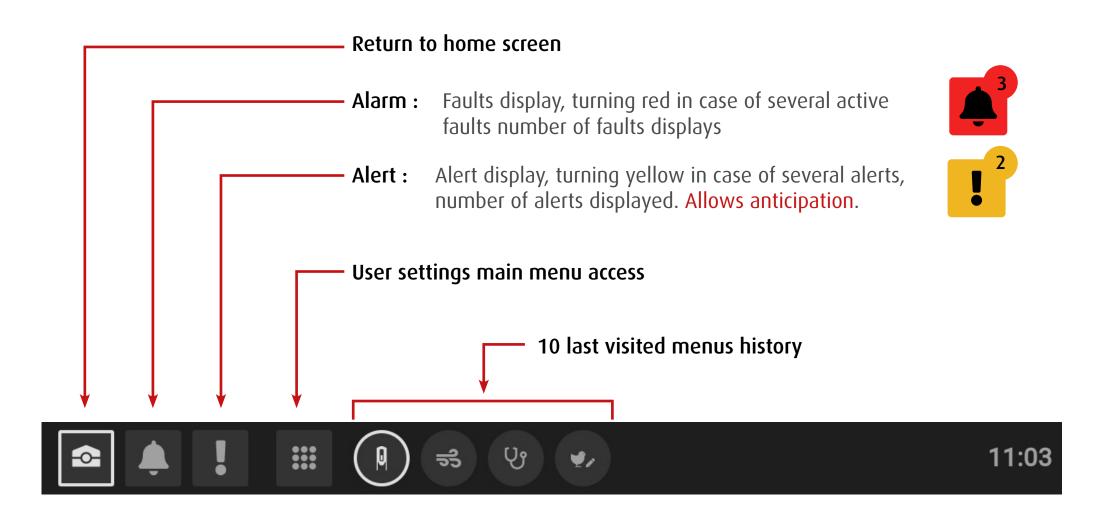


• Use - Dashboards to ANALYSE





Use - A BROWSER TO TAKE ACTION





OUTSIDE CLIMATE

- Temperature

- Humidity

USE - HOME SCREEN

Over 30 DATA on 1 single screen

INSIDE CLIMATE



- Temperature
- Humidity
- Brightness

(CO2, Negative pressure,NH3...)

CUSTOMIZABLE

VISUAL DATA

Measured data

Target data (setpoint)



LEVEL OF USE OF EQUIPMENTS

- Ventilation level
- Air inlet opening
- Fans in use
- Lighting status
- Feed stock level in silos

OK



Attention zone, we are getting away from the setpoint Alarm, an anomaly has been detected, action has to be taken



ERGONOMIC ADVANTAGES

AN EASY TO USE TOOL - ACCESSIBLE TO ALL

- Quick parameters view
- Dark dashboard : Google Android inspired environment (human eye research)
- Simple color coding : Green : normal use

 Yellow : warning

 Red : critical default

Color coding : Action, critical issue prevention

- Warning and default : Time and details displayed in the respective tabs on the bottom banner
- Educational tool allowing immediate handling
 - → Intuitive and convenient use for everyone
- Data/parameters : Easily modifiable on numeric keypad.

 Configurable (information mini and maxi)



Technical Advantages

New Features

USER

- Addition of the correction of the air needs curve.
- Temporary acceleration or deceleration of ventilation.
- Building/ground dedicated preheating. With dew point display.
- Modular features management.
- Feed description per silo.
- Ventilation quality display.
- Fan covers display and management.

INSTALLER

- Air inlet opening, ventilation level setting and control.
- Suction area taken into account based on fan type and accessories.
- Building description: equipment naming using accurate capacity curves of Tuffigo Rapidex equipment



• TECHNICAL DATA

THE BOX - THE OPERATING SCREEN

STATUS INDICATOR

White: ok

Blinking white: start up / communication

issue

Blinking red:

Critical alert = Siren on

SCREEN

10 inchs (AVItouch 7 ")

SEALING

IP54



The screen is a simple MONITOR, REMOTE ACCESS made possible for more SAFETY.



• TECHNICAL DATA

DEVICE DIMENSIONS



400 x 400 x 200 mm 11,34 kg



600 x 400 x 200 mm 16,47 kg

2 Boxes, 6 configurations

- Same construction, same reliability
- 400 x 400 size designed in order to replace Avitouch
- 600 x 400 size offers even more flexibility, it can be loaded with more electronic cards



TECHNICAL INFORMATION

INPUTS/OUTPUTS

✓	x 20
✓	x 1
✓	x 1
✓	x 1
✓	x 1
✓	x 1
✓	x1
\checkmark	x 2
✓	x 10
\checkmark	x 1
✓	
✓	40 max in totality
✓	
✓	
\checkmark	
✓	x 4
\checkmark	х 6

CONNECTIVITY	
USB port (Update, backup, export data)	✓
INTERNET connection via RJ45 Ethernet port	✓
INTERNET connection via modem 4G/3G	✓
Secure remote access	✓

A ID INITARE MANNACEMENT		
AIR INTAKE MANAGEMENT		
Air inlet management in dynamic ventilation	v	x12
Number of zones	✓	х3
Ridge ventilation (delamination)	\checkmark	
AIR EXTRACTION MANAGEMENT		
EC BLUE management	\checkmark	
Group of ventilation	√	x40
OTHERS		
Air mixers management	\checkmark	х3
HEATING		
Slab heating switch	\checkmark	8 max
Heater switch	√	in totality
LIGHTING		·
Light switch	\checkmark	x20
Windows blackout control	√	x4
COOLING		
Fogging or pad cooling pump switch	\checkmark	
Chain feeder control relay	√	x10
Water rationing	√	40 max in totality
Feed rationing	√	
Nipples flushing	√	x20

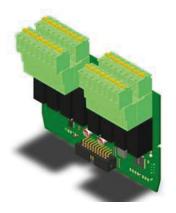
Alarm & Security	
Monitoring contact to alarm	\checkmark
Timer	√ x10



Technical information

CARDS

INTERNAL



S001575041 CARD 18TR02 8 RELAYS

EXTERNE



SOOI575042 CARD 18TR03 12 ANA OUTPUTS



SO0I575043 CARD 18TR04 12 ON/OFF INPUTS



SOOI575044 CARD 18TR05 12 ANA INPUTS



CARD 10TR02 – SILO WEIGHING



CARD 10TR03 - ECBLUE



CARD 10TR03 - FCONTROL



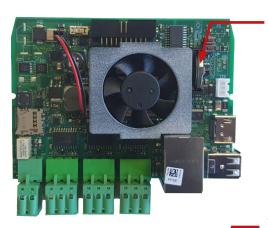
CARD 11TR02 - BIRDS WEIGHING



Technical information

DESIGN

MOTHER BOARD



Battery

1 Ethernet port

4 USB ports

1 HDMI port

1 SD Card Port

3 RS 485 bus

1 Alarm output

CARD

for front light strip management

BACK PANEL

with 6 slots per panel

Optionnal cards:

- Relay
- On/Off input
- 0-10 V inputs or sensors
- 0-10 V outputs



TRANSFORMER

for cards power supply





Technical information

FEATURES - A COMPREHENSIVE MENU





















Feeding

Q Silos



Fogging

L Lighting

Windows



⊞ Calculator

Software update

System

Dashboard

X Installer



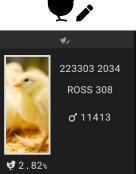
Technical information

Dashboards for ANALYSIS

«BIRDS» DASHBOARD

Informing about birds health





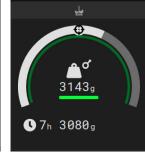




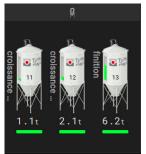














BATCH

WELFARE

WEIGHING

CONSUMPTION

SILO

WEIGHING HISTORY

- Number of birds
- Genetics
- · Mortality rate
- Welfare based on several factors like temperature and humidity
- Weight
- Weight at a fixed time
- Target weight
- Water consumption
- compare to the day before
- in total and per head
- Feed consumption
- compare to the day before
- in total and per head
- Water/Feed ratio

- Feed name
- Weight
- Remaining capacity
- Weighing history of the day
- Number of weighings

Feed and birds growth indications



TEMPERATURE

₽^{EXT} 10.8°

Technical information

DASHBOARDS FOR ANALYSIS

5 39395m³/h

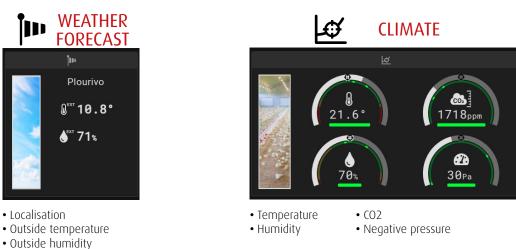
Ventilation level

• Oxygenation rate

«VENTILATION» DASHBOARD

Informing on parameters related to birds oxygenation

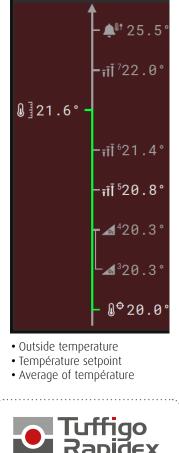




LEVELS

INFLUENCES Q₂ V ಕ್ಕೆ 110664m³/h Ventilation flow Air needs • Positive and negative influences

Oxygenation or beat the heat



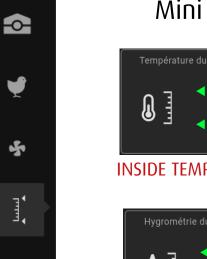


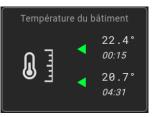
Technical information

DASHBOARDS FOR ANALYSIS

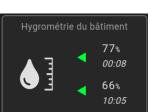
«MEASURES» DASHBOARD

Mini and maxi in details at D- DAY and the day before





INSIDE TEMPERATURE



INSIDE HUMIDITY



Displayed with measurement time



OUTSIDE TEMPERATURE



OUTSIDE HUMIDITY



COLDER AREA Displayed with measurement time



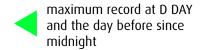
NEGATIVE PRESSURE

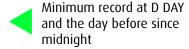


CO2 RATE



AT D-DAY and D - 1 DAY







Technical information

DASHBOARDS FOR ANALYSIS

- ⋄ ○ **- ⋄** ○

«CURVES» DASHBOARD

Graph details of farm data





This carrousel allows browsing data/curves related to feeding, drinking and ventilation

By pointing the curve you can observe data.

3h 6h 12h 24h 48h (72h) ♥ 📛

CURVES





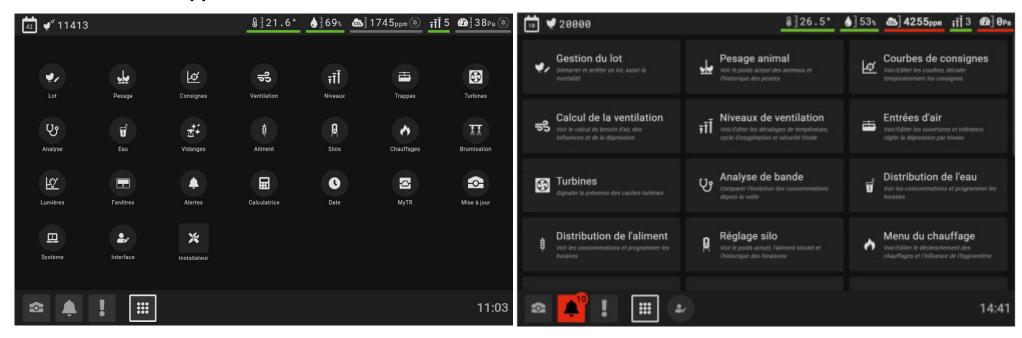
TECHNICAL INFORMATION

FEATURES - MAIN MENU FOR MANAGEMENT

2 TYPES OF DISPLAY

App Version

Educational Version



Very visual and compact

Easy handling

Allows access to everyone with a quick features and icons understanding



Technical information

CONNECTIVITY

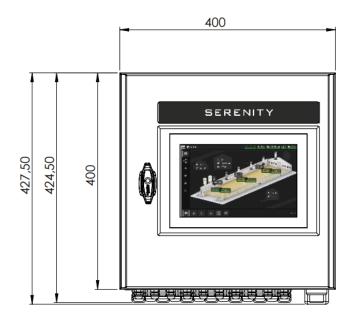
- Farm site management
- Allows secure remote access

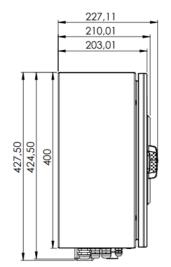
All the teams will work on MyTR update in 2021.

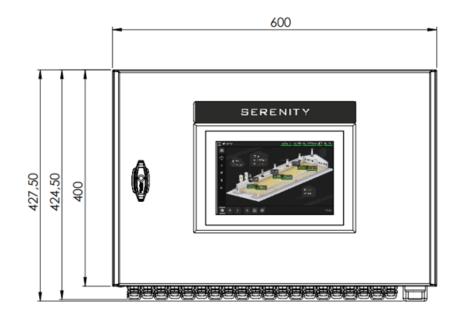


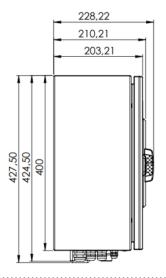
Technical information

DIMENSIONS







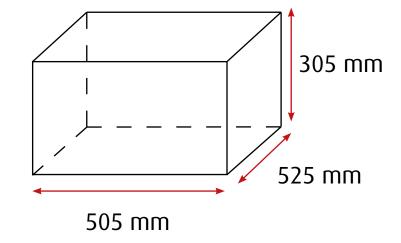




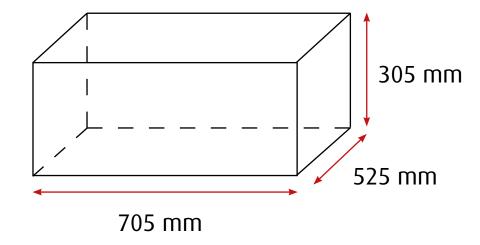
Technical information

PACKAGING

Small model



Big Model



525 x 305 x 505mm 11,34 kg 525 x 305 x 705mm 16,47 kg



IN PLACE











