

## Display Analyseur XIR NIR

V1.00.00

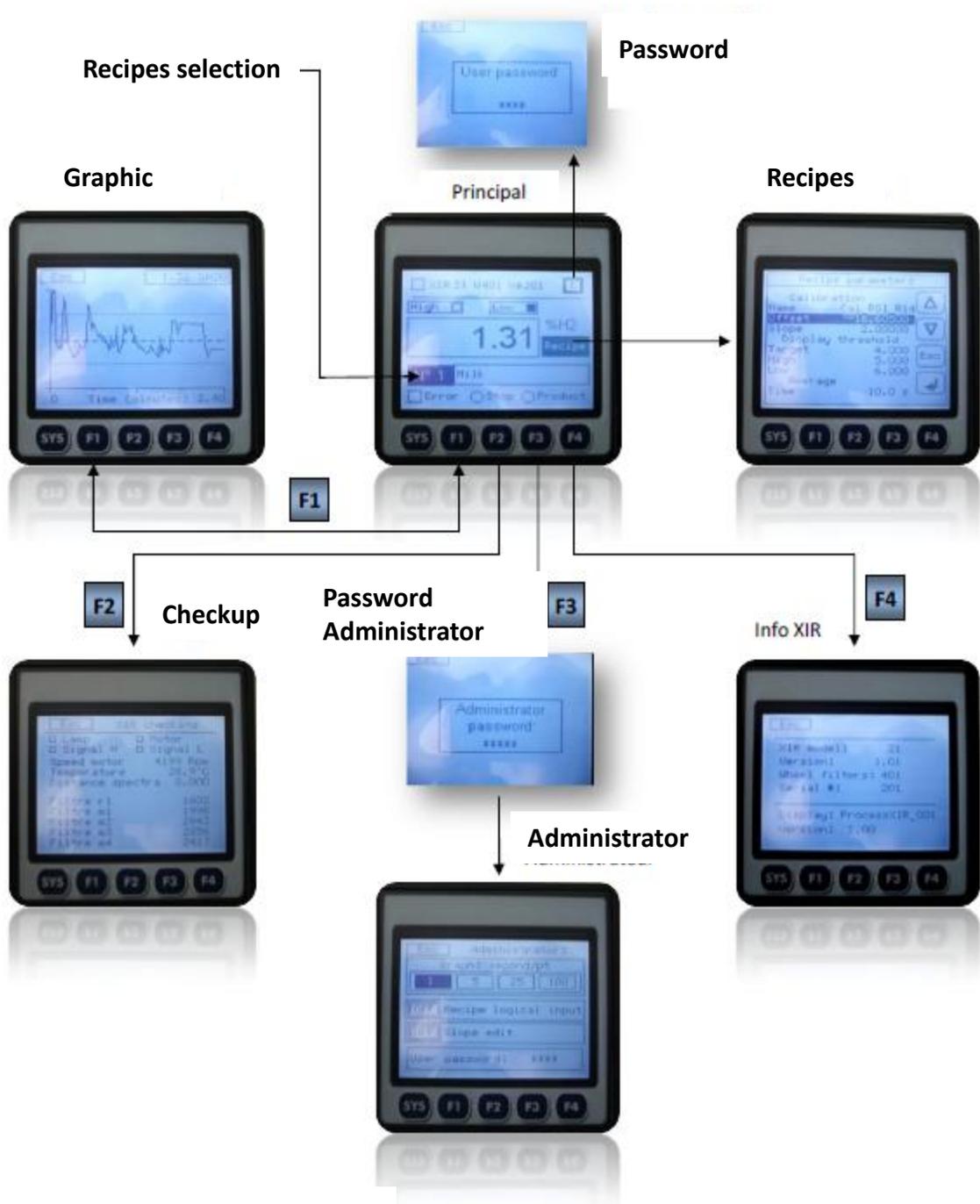
### Moisture NIR Analyzer



## Summary

1. Management screens
2. Main Screen
3. Screen recipe
4. Screen control (Checkup XIR)
5. LCD graphic display
6. Display info
7. Screen administrator
8. Log XIR display
9. Dimensions
10. I / O connection
11. characteristic

## 1. Screens



Main screen: ESC ou F1

## 2. Main Screens



If XIR is On

Name of the recipe

 « Lock » / « UnLock » Edit Parameters



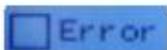
Edit All recipes available



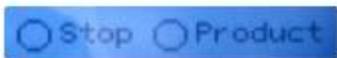
Click to change the recipe



Alarm high and Low



Error status Click F2 to see Error



« Stop » : Stop measurement Function I7 STOP

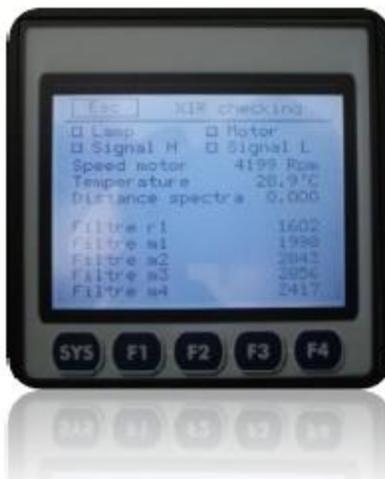
« Product » : Function No product to measure Function I6

## 3. Recipe



Access to this screen is locked by the user password. This password is changed by the administrator in the Administrator screen. Only useful process parameters can be changed on this screen. For other parameters, using the PC XIR NIR. To change a setting, move the selection on the corresponding line and press the "Enter" key. Enter the new value and exit the screen with the "ESC" key. See the manual for use XIR parameters.

## 4. Checkup



See Appendix B in this manual XIR: Display controls

## 5. Graphic



- ..... High alarm
- - - Target Moisture
- Measurement
- ..... Low Alarm

Values set high, low and target must be entered in the recipe.  
Time of the x-axis is defined in the administrator settings.

## 6. Information XIR



This screen shows the model XIR and display as well as program version

## 7. | Administrator

Password:

: 28075



This screen allows you to set four parameters:

1`The time axis of the graphical display:

- § 1 second / (Display 2.4 minutes)
- § 5 seconds / (Display 25 minutes)
- § 25 seconds / (Display 60 minutes)
- § 100 seconds / (Display 240 minutes).

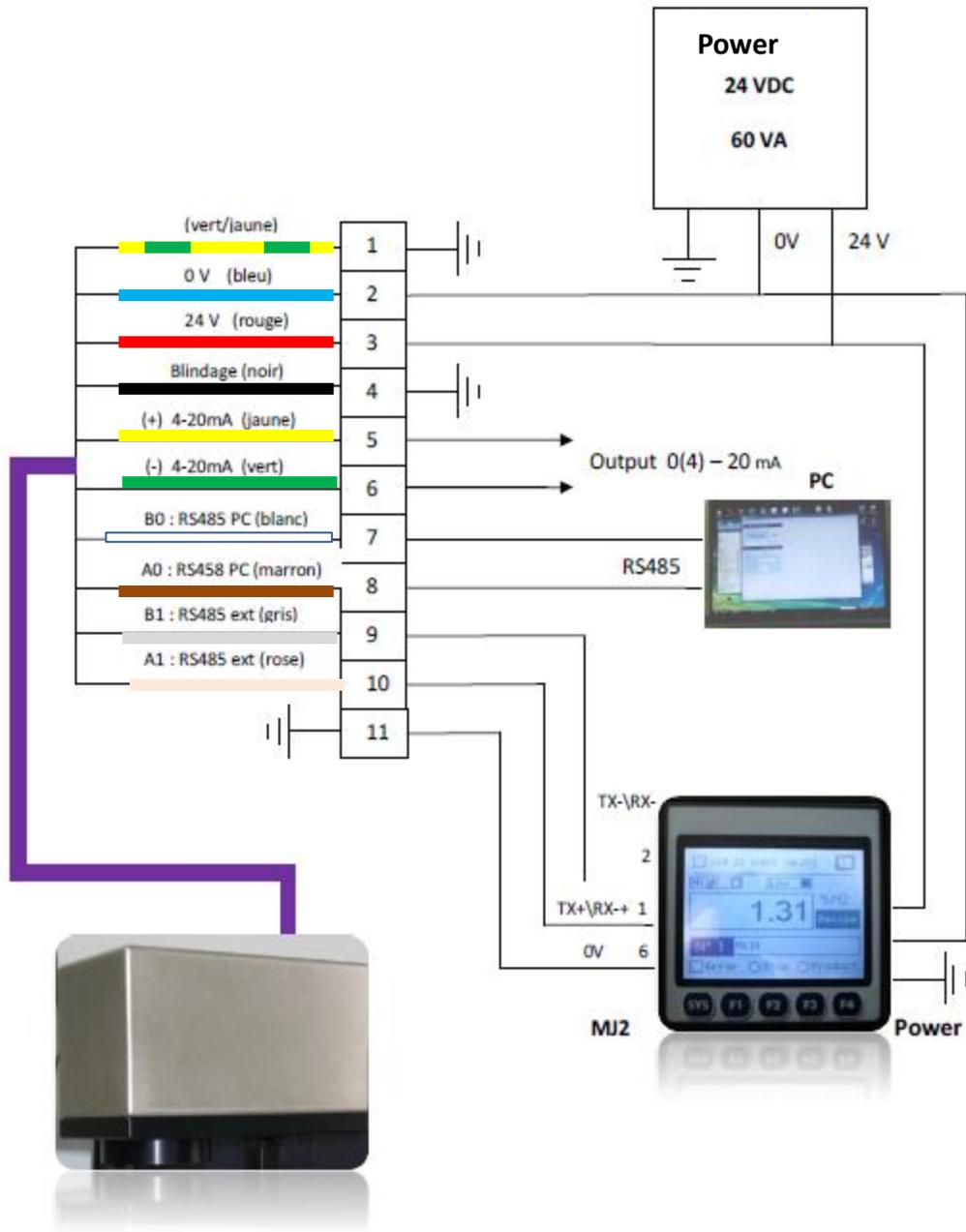
2. Digital input defined as a source of selection of active recipe.

When the logic input is selected, it is not possible to change the recipe from the touch screen. If the recipe number does not exist in the XIR, it remains on the last selected recipe valid.

3- Allowing edit the slope of the calibration in the recipe screen

4. The user password.

## 8. | Connection

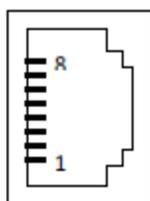


## 9. Dimensions

- Cut the panel to fit: 92 mm x 92 mm
- Front: 96mm x 96 mm
- Depth behind panel: 57 mm

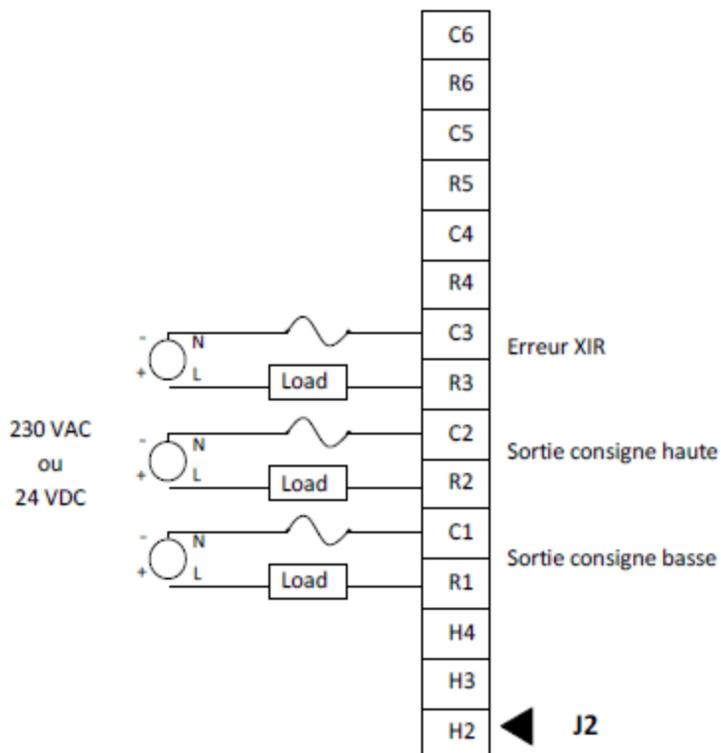
## 10. Connexion I/O

Connexion RS485 XIR sur **MJ2** (connecteur RJ45)



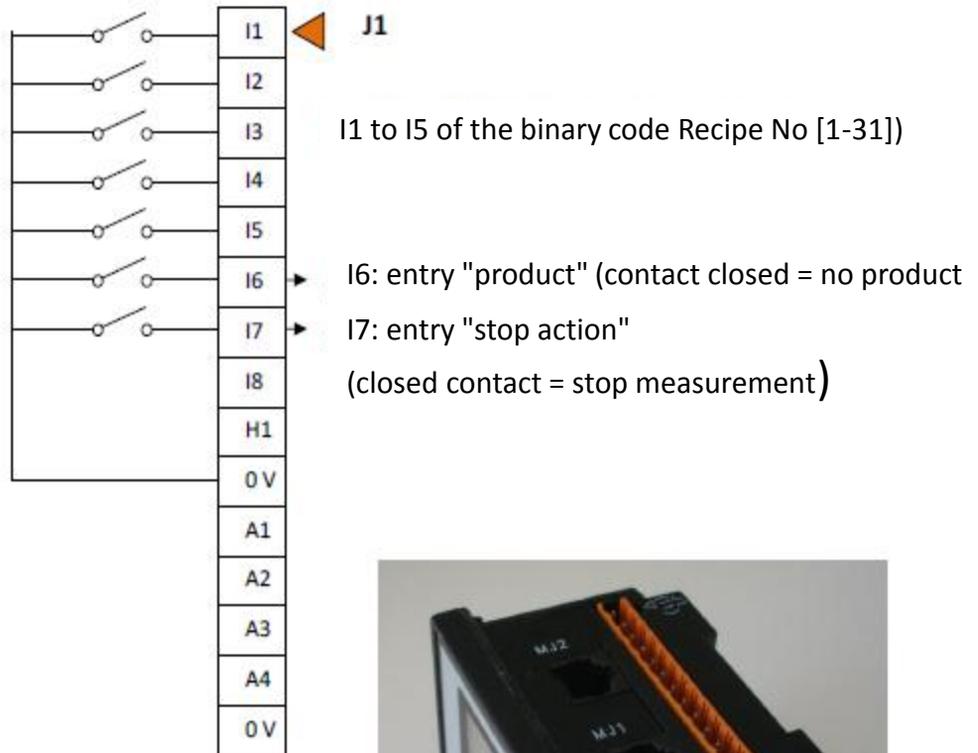
Pin MJ2	signal	XIR
6	0 V Ground	0 V
2	TX- / RX -	B gris
1	TX+ / RX+	A rose

## Alarms Black connector

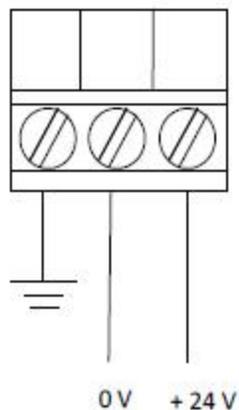


## Connection logic input J1 connector (ORANGE)

Negative logic: logic level 1 contact closed



## Connexion power 24 VDC



## 11. Features

Digital Relay Outputs	
Max output current per relay	2 A at 250 V , resistive
Max total output current	4 A continuous
Max output voltage	275 VAC, 30 VDC
Max switched power	1000 VA, 80 W
Contact isolation to ground	1000 VAC
Type	Mechanical contact

Digital DC input	
Commons	1
Inputs voltage rang	12 VDC / 24 VDC
Absolute max voltage	35 VDC max
Input impedance	10 k $\Omega$
Max upper threshold	8 VDC
Min lower threshold	3 VD

General specifications	
Required power	130 mA @ 24 VDC
Primary power range	10 – 30 VDC
Relative humidity	5 to 95 % RH non-condensing
Operating temperature	-10 °C to +60 °C
Weight	341 g