XSDR 702-24

Reset Cabinet

Outstanding performance

The XSDR series has an outstanding performance for drying moisture sensitive components and pcb's.

The dynamic drying unit of the 2000 series reaches very reliable low humidity values of ≤0,5%RH and automatically regenerates if necessary.

As a result of an insulated double metal sandwich construction a precise temperature of 60°C can be reached with a very low power consumption.

A radial fan and heater supports the drying process and realizes an equable temperature and moisture level in the cabinet. The relevant process data is obtained by use of an accurate Rotronic sensor.

10 timers for each chamber helps you resetting the floor lifetime of your MSL components.

XSDR 702-24

Standard features

✓ **User friendly handling**	Two touchscreen displays with easy menu structure to configure each compartment separately
✓ **ESD features**	Norm (IEC 61340-5-1) ESD stainless steel body ($<10^3$ Ohm/sq) Conductive glazing (in- and outside 10^3 Ohm/sq)
✓ **Insulation**	60 mm sandwich construction with Polyurethane
✓ **Online functionality**	Interface and data logging through standard Ethernet interface Compatible with new MSL 2.0 software
✓ **Interior lighting**	Low power consumption LED lighting
✓ **Door & humidity alarm buzzer**	Longer door openings are detected, high RH levels are detected
✓ **Leveling out**	Adjustable legs
✓ **Lockable doors**	Every door can be locked separately with a key
✓ **Sliding shelves**	In height adjustable sliding shelves on metal rollers (4 pcs)
✓ **Drying unit**	U-2000 series drying units, ≤1% RH (2 pcs)
✓ **Rotronic sensor**	Precision sensor, accuracy +/- 0,8 % RH, +/- 0,3°C (2 pcs)
✓ **Power supply**	Power cord 5 meter with IEC plug

Benefits

✓ **Drying time (see reference table)**	Fast drying time, Level 3 component, <1,4 mm = 18 hours (60°C / 1% RH)
✓ **Recovery time after door opening**	< 15 minutes to below 1%
✓ **Temperature stability**	The same temperature level throughout the drying cabinet as a result of the use of a radial fan in combination with ventilation and heating in an insulated sandwich construction
✓ **Temperature setting**	Heating up to 60°C, accuracy +/- 2°C
✓ **Energy saving consumption**	As a result of a Dynamic dry unit, sandwich construction with insulating Polyurethane.
✓ **Network**	Standard ethernet interface
✓ **IPC**	According to IPC-Jstd 033C
✓ **European Quality**	Made in Germany
✓ **Maintenance**	Easy to service, low maintenance

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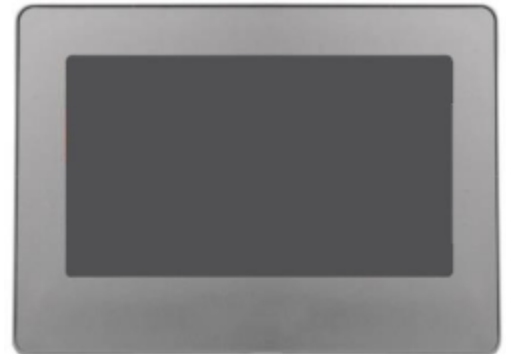
Technical data cabinet

- ✓ External dimensions: (W x H x D) 700 x 1880/2060 x 850 mm
- ✓ Internal dimensions: (W x H x D) 544 x 1504 x 600 mm
- ✓ Weight: 135 kg
- ✓ Weight on shelf: 50 kg
- ✓ Shelves (WxD):   5 pcs, 535 x 550 mm.
- ✓ Volume: 490 L
- ✓ Electric supply: 230 VAC (120 VAC optional)
- ✓ Power consumption: 450 W/h (60° C)
- ✓ Protection class: Class 1, hard grounded
- ✓ Humidity level cabinet: ≤1% RH can be reached with drying unit U-2000
- ✓ Sensor accuracy: +/- 0,8 % RH, +/- 0,3°C
- ✓ Temperature accuracy: 60° C, +/- 2° C

Technical data type 4 display

Settings

- ✓ Language Menu
- ✓ Nominal Value Humidity
- ✓ Humidity Alarm
- ✓ Delay Humidity Alarm
- ✓ Nominal Value Temperature (in combination with heater)
- ✓ Temperature Alarm (in combination with heater)
- ✓ Delay Temperature Alarm (in combination with heater)
- ✓ Sensor Offset
- ✓ Password Protection
- ✓ Floor Lifetime Reset Timer
- ✓ Manual Regeneration

Display

- ✓ Supply voltage (supplied by drying unit) 24 VAC/DC, 350 mA
- ✓ Input Touchscreen
- ✓ TFT Color LCD 4,3"
- ✓ Controllable Brightness
- ✓ Ethernet connection

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IBAN : NL83Rabo0145683443
BIC : RaboNL2U
Bank : Rabobank 14.56.83.443

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Technical data Rotronic sensor HC2A-S

Based on the Airchip 3000 Technology use the HygroClip 2 probes can be used for control of temperature and humidity.

The HygroClip 2 probes can be configured with the ROTRONIC HW4 software and share the following features:

✓ Measurement of relative humidity and temperature.
✓ Programmable automatic sensor test with failsafe mode and sensor drift compensation.
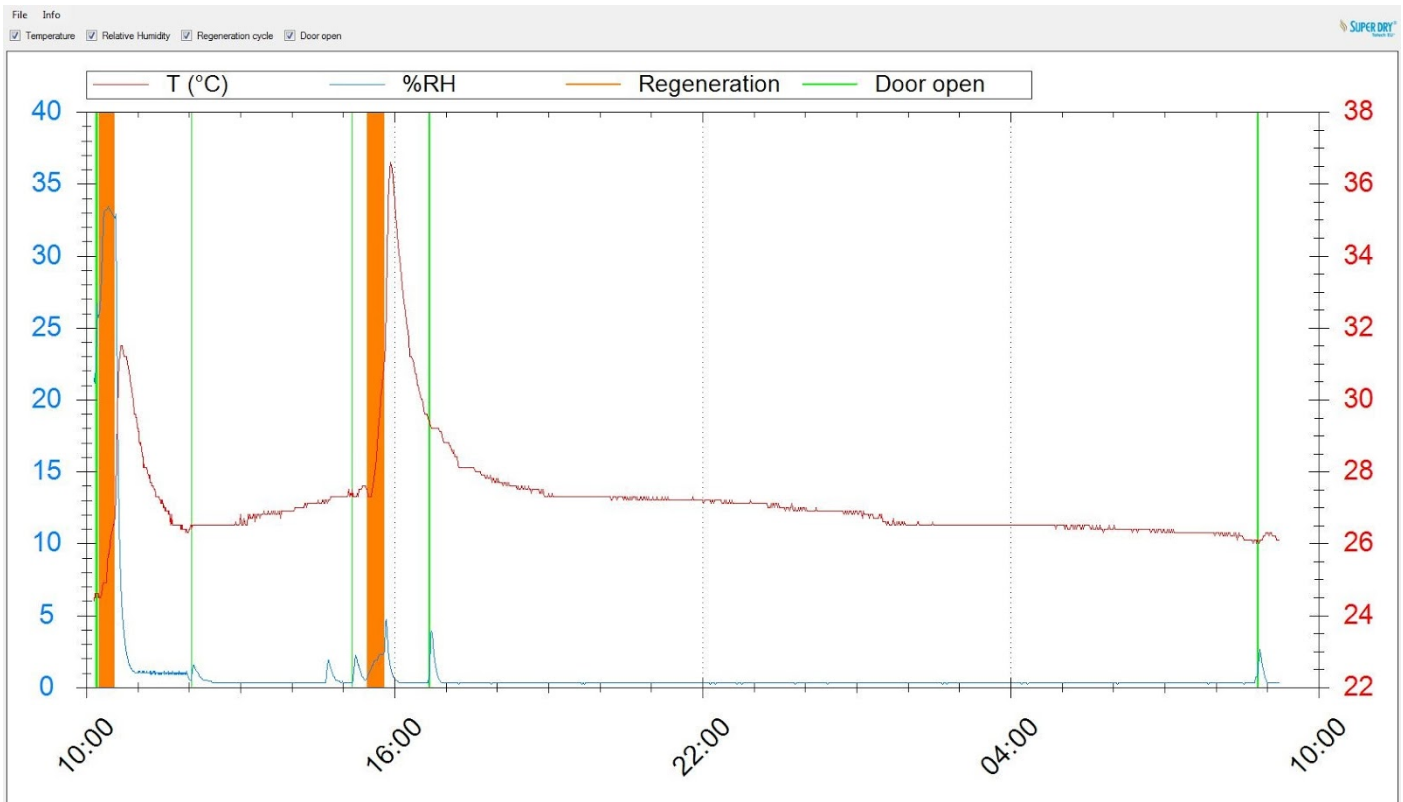
Technical data dry-unit U-2000 series

✓ Control: Adjustable with control panel type 4
✓ Dehumidifying Temperature: 10 – 60° C
✓ Electric supply: 230 VAC (120 VAC optional)
✓ Dimensions (L x B x H): 260 x 380 x 100 mm
✓ Weight: 8,1 kg

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V.A.T. : NL813341887B01
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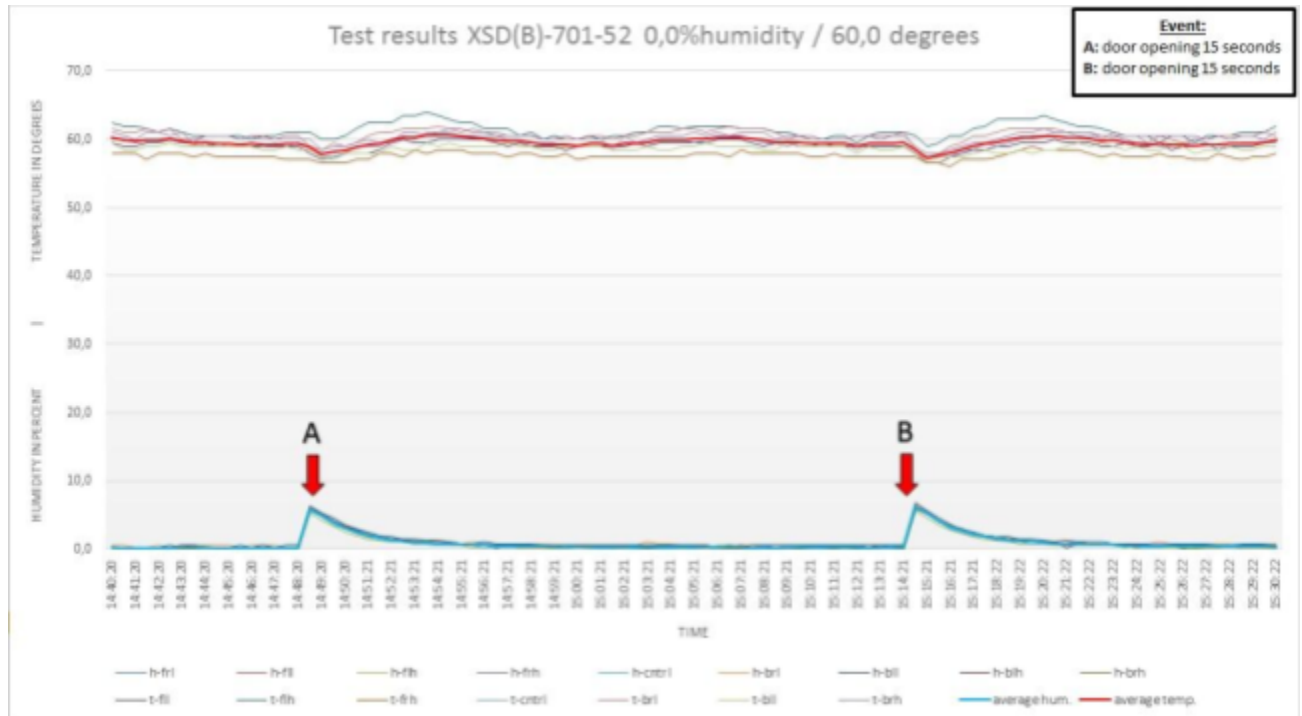Bank : Rabobank 14.56.83.443

XSDR 702-24

Free Totech viewer

✓ Writing of climate data, door openings and alarms to SD card
✓ Transfer data through Ethernet to PC (history data)
✓ User-friendly display of all relevant data
✓ Data processing in MS-Excel

✓ Seamless documentation
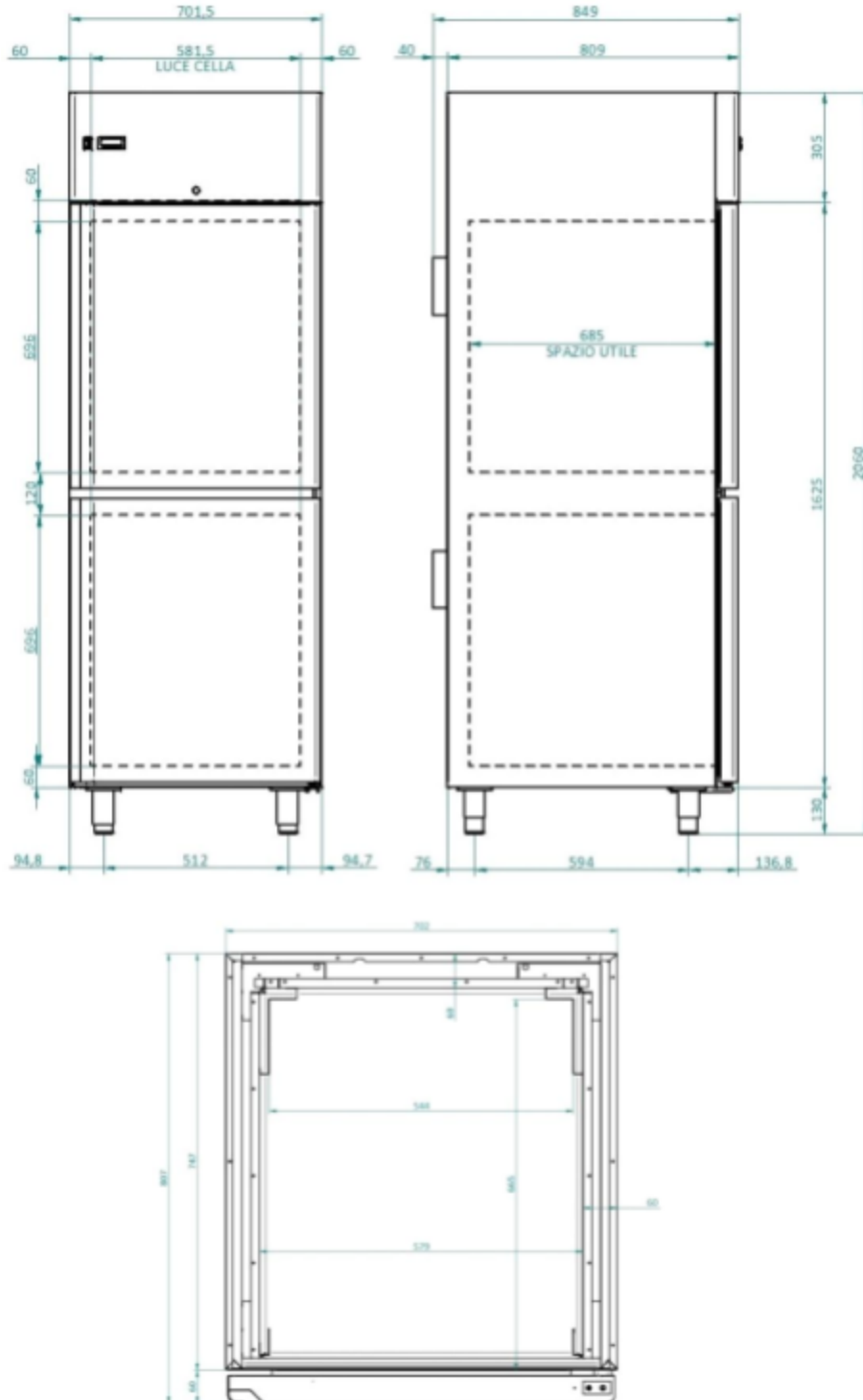✓ Excellent process safety

XSDR 702-24

Performance test

Test results XSD(B)-701-52 0,0%humidity / 60,0 degrees

Event:
A: door opening 15 seconds
B: door opening 15 seconds

Test conditions

✓ Type of dew point sensor: 9x Hygroclip HC2A-S
✓ Accuracy of dew point sensor: ± 0,3° C at + 20° C (+ 68° F)
✓ Location of sensors: Every corner + center
✓ Ambient conditions: Hum. 50 ± 5% rH, 22°C ± 2°C, Pressure 994 ± 20 hPa
✓ Dooropenings: 2 door openings, 15 sec.

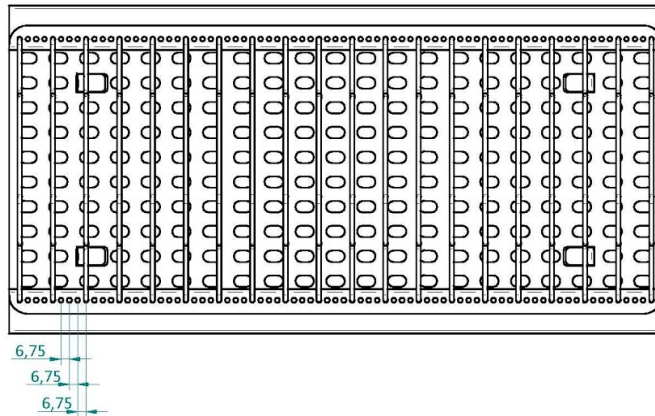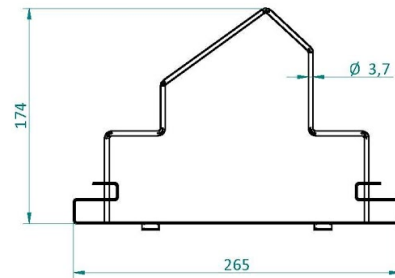For more detailed test results, please refer to our website.

XSDR 702-24

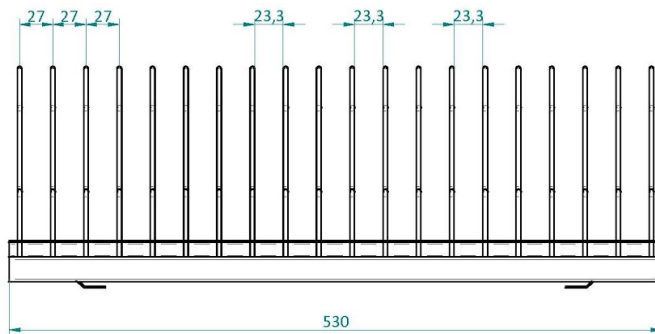## Technical drawings

Dimensions mentioned in mm.

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Technical drawings

27 27 27   23,3   23,3   23,3

530

174

Ø 3,7

265

6,75
6,75
6,75

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TÜV NORD
TÜV Nederland QA B.V.
ISO 9001

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Options

SMD Reel rack with reel supports
L x W = 530 x 265 mm incl. 18 reel supports.

Item number 20014005

Reel support
Additional reel supports for 20014005.

Item number 20014201

Humidity alarm signal lamp
Two-color (orange/green or red/green), magnetically fixed, providing optical signals on operational states and exceeded limit values. Indicates for both compartments. Operates on 24V.

Item number 20016037

Additional sliding shelves
Stainless steel sliding shelf on metal rollers, 100% extractable

Item number 47000141

Hygroclip 2
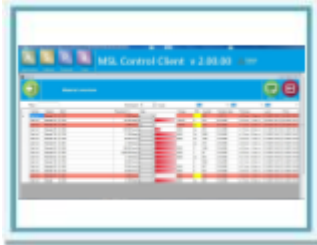Probe with maximum accuracy for all climate measurements.

Item number 470000027

Exchange calibrated sensor:
Item number 47000040

MORE THAN JUST DRY AIR

Options

MSL 2.0 software for 1000 components

Software solution for the monitoring of moisture sensitive components and their MSL states during storage and processing in the production. The exact drying state individually for each component is monitored and displayed with the software. One of the possibilities is that it can read out multiple HC2A-S sensors. To adjust storage conditions, picking of stock, removal of used parts and more stock control. A complete history for each component is traceable up to the full processing. The evaluation of the drying conditions is based on the requirements of the IPC / JEDEC J-STD-033B1 directive.

Item number 20010036

MSL software upgrade with additional 1000 components

Upgrade to monitor an additional 1000 components

Item number 200174502

Totech Monitor software

Realtime cabinet monitoring with alarm function, sending e-mails with detailed information on the status of the cabinet.History data files with graphical overview

Item number 47000583