



SDR Dry Room



The SDR-5802-52 Dry room has an outstanding performance for drying moisture sensitive components, pcb's and other moisture sensitive products. The room can also be used as Feeder Storage walk-in room.

The dynamic drying unit of the 5000 series reaches very reliable low humidity values of 0,5% RH and automatically regenerates if necessary.

Regeneration times are reduced due to the closed loop control of the dry unit which automatically responds to atmosphere and frequency door openings.

The relevant process data is obtained by use of an accurate Rotronic sensor. Data can be taken out from the cabinet through RS232 with optional software.

Dry rooms are being supplied with ramp or without when they are being placed directly onto the ESD flooring, Feeder cars or racks can be placed inside



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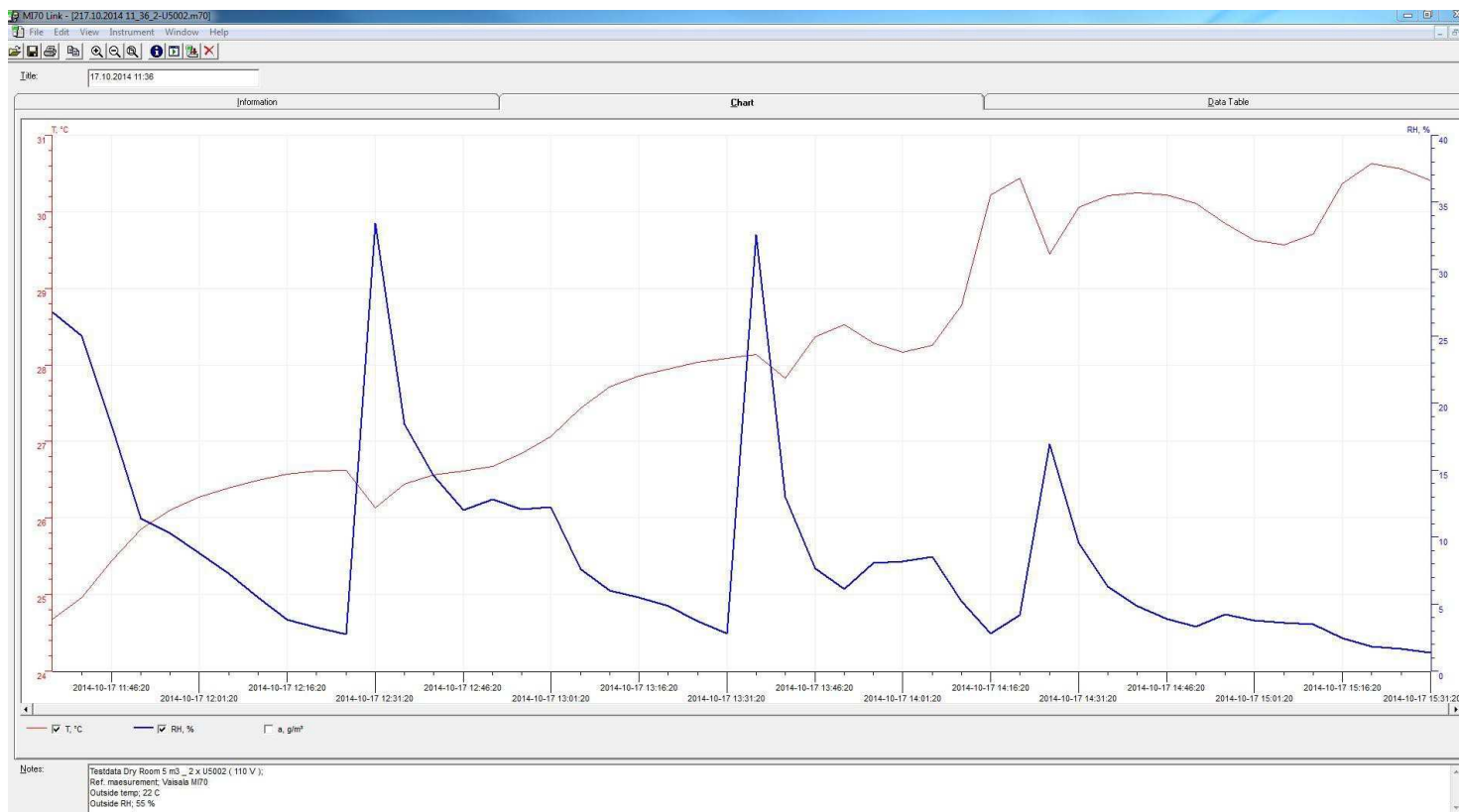
BIC : RaboNL2U

Bank : Rabobank 14.56.83.443





Test graphic:



Test conditions



Instrument:	Vaisala.
Type of sensor:	Rotronic sensor
Accuracy of sensor:	+/- 1 % RH, +/- 0,3° C
Location of sensor:	In the direct surrounding of cabinet sensor
Ambient conditions:	Humidity 50 +/- 5% RH, 25° +/- 2°C, Pressure 994 +/- 20 hPa.
Dooropenings:	2 dooropenings, 15 sec. (average RH 0.70%)



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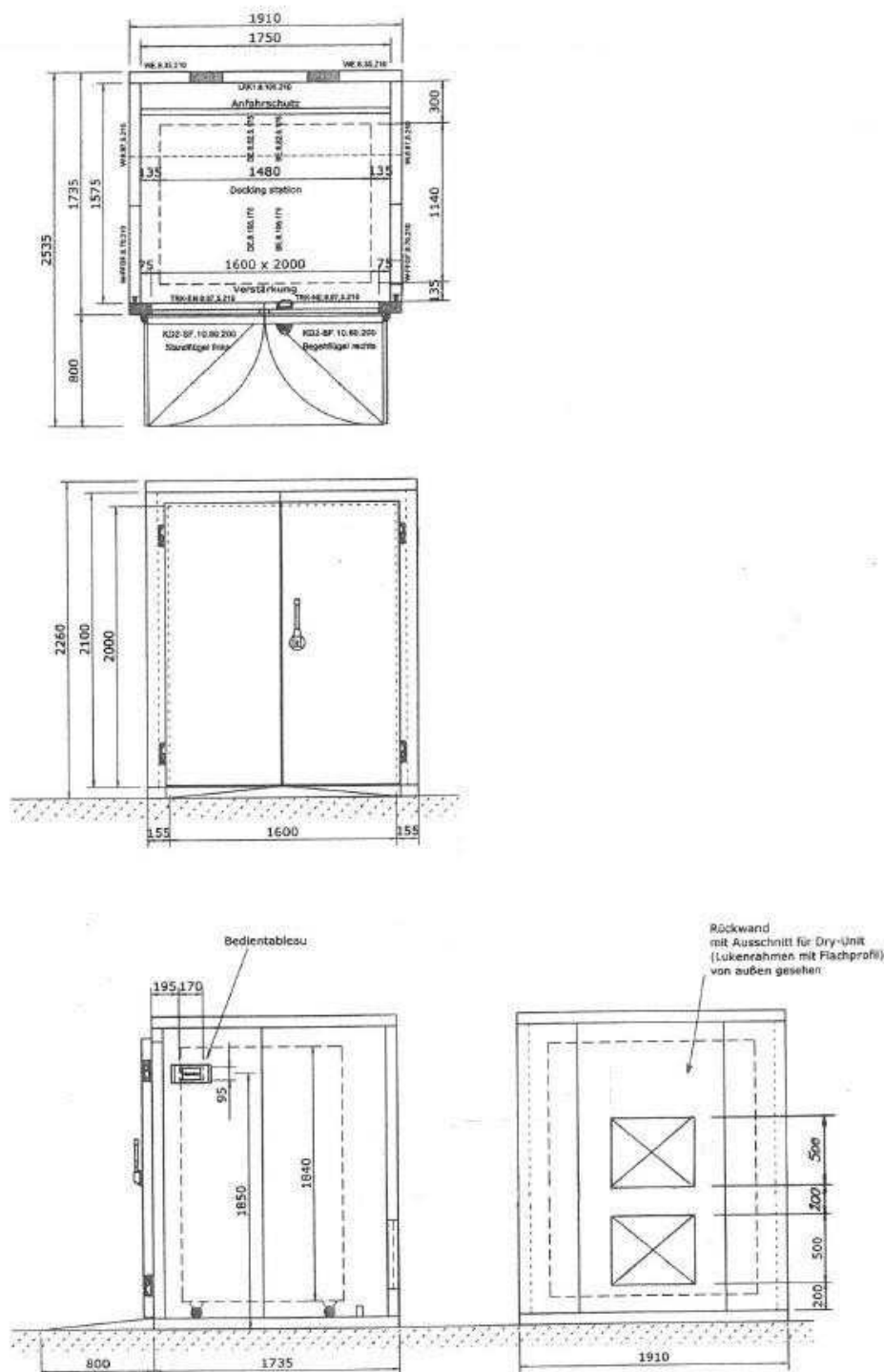
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Technical Drawing:





Features

- **User friendly handling**
- **ESD features**
- **Insulation**
- **Data logging**
- **Online read out**
- **Door & humidity alarm buzzer**
- **Transport into room**
- **Lockable door**
- **U 5000 series drying unit**
- **Rotronic sensor**
- **Power supply**
- 2 serie display with easy menu structure
- Static Safe Body, Norm (IEC 61340-5-1)
- 60 mm sandwich construction with Polyurethane
- Integrated data logger over Sensor with standard 2000 measuring points (optional software is required).
- RS 232 interface
- Longer door openings are detected, high RH levels are detected
- Ramp
- The door can be locked with a key.
- 2 pieces dry unit $\leq 0.5\%$ RH, made in Germany
- Precision sensor, accuracy $\pm 0.8\%$ RH, $\pm 0.3^{\circ}\text{C}$
- Power cord 5 meter with IEC plug

Benefits

- **Drying**
- **Recovery time after door opening**
- **Energy saving consumption**
- **Temperature setting**
- **IPC**
- **European Quality**
- **Maintenance**
- Fast drying time, due to fast dry units and hermitically closed room
- Fast recovery due to two installed U-5000 series dry unit
- As a result of a Dynamic dry unit, sandwich construction with insulating Polyurethane.
- Optional
- According to IPC-Jstd 033C
- Made in Germany
- Easy to service, low maintenance





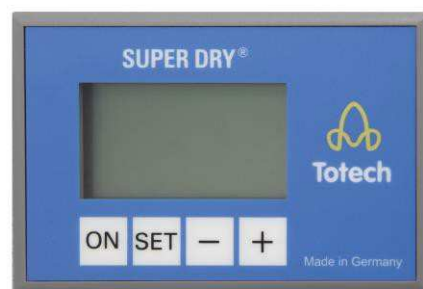
Technical Data Cabinet

- | | |
|---------------------------|---|
| • External dimensions: | see drawing |
| • Internal dimensions: | see drawing |
| • Weight: | ca. 500 kg. |
| • Volume: | 5.8m ³ |
| • Electric supply: | 230 VAC (120 VAC optional) |
| • Power consumption: | 60 W/h, max. (1200 W/h) |
| • Protection class: | Class 1, hard grounded |
| • Humidity level cabinet: | ≤ 5 % RH can be reached with drying unit U 5002 |
| • Sensor accuracy: | +/- 0,8 % RH, +/- 0,3°C |

Technical Data 52 Display

Settings:

- Language Menu
- Nominal Value Humidity
- Nominal Value Humidity Alarm
- Delay Humidity Alarm (in combination with heater)
- Nominal Value Temperature (in combination with heater)
- Temperature Alarm (in combination with heater)
- Delay Temperature Alarm
- Doors Alarm
- Interlocking
- Manual Regeneration



Display:

- Supply voltage (supplied by drying unit) 24 VAC/DC
- Input 4 function keys (tactile-touch keys)
- Display 61 x 33 mm, white, controllable backlight, adjustable contrast
- SUB-D plug ("universal" 9-wire standard serial cable)
- Power consumption at 24 VDC, 40 mA





Technical Data Rotronic Sensor HC2-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.
- Data recording of up to 2000 relative humidity and temperature value pairs.
- Programmable automatic sensor test with fail safe mode and sensor drift compensation.

Technical Data dry-unit U 5000 series

- Dehumidifying performance: 120 g/h max.
- Minimal humidity 0,2% RH
- Dehumidifying Temperature 10 – 60° C
- Electric supply: 230 VAC (120 VAC available)
- Dimensions (L x B x H): 487 x 487 x 150 mm
- Weight: 14 kg

