Dry room

Outstanding performance

The SDR series has an outstanding performance for drying moisture sensitive components and pcb's. The dry room will be equipped with a drying unit depending on the size of the dry room.

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

As a result of an insulated double metal sandwich construction in combination with an optional heater, a precise temperature of 40-60°C can be reached with a relative 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.

The dynamic drying unit of the 7000 series reaches very reliable low humidity values of ≤5%RH and automatically regenerates if necessary. Combined with the insulated double metal sandwich construction and an optional heater, a precise temperature of 40-60°C can be reached with a relative low power consumption.

The relevant process data is obtained by use of an accurate Rotronic sensor.

Standard Features

✓ **User friendly handling**	Display with easy menu structure
✓ **ESD features**	Conductive Stainless Steel interior and exterior
✓ **Insulation**	80 mm sandwich construction with Polyurethane
✓ **Online functionality**	Interface and data logging through standard Ethernet interface Compatible with new MSL 2.0 software
✓ **Door & humidity alarm buzzer**	Longer door openings are detected, high RH levels are detected
✓ **Lockable door**	Door can be locked with a key
✓ **Drying unit**	≤5% RH, made in Germany
✓ **Rotronic sensor**	Precision sensor, accuracy +/- 0,8 % RH, +/- 0,2°C
✓ **Power supply**	Power cord 5 meter with IEC plug

Benefits

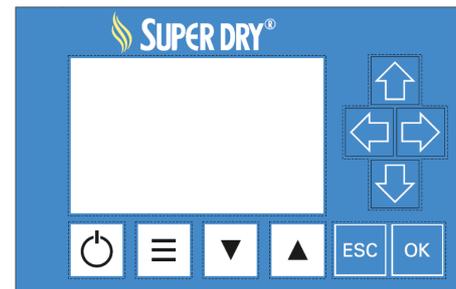|	
✓ **Drying time (see reference table)**	Fast drying time of MSL components
✓ **Network**	Standard ethernet interface
✓ **IPC**	According to IPC-Jstd 033C
✓ **European Quality**	Made in Germany
✓ **Maintenance**	Easy to service, low maintenance

Technical data cabinet

- ✓ External dimensions: (W x H x D) variable
- ✓ Internal dimensions: (W x H x D) variable
- ✓ Volume: variable
- ✓ Electric supply: 230 VAC (120 VAC also available)
- ✓ Max. power consumption: 2,5 kW/h
- ✓ Protection class: Class 1, hard grounded
- ✓ Humidity level cabinet: <5% RH, depending on size
- ✓ Sensor accuracy: +/- 0,8 % RH, +/- 0,2°C
- ✓ Temperature accuracy: +/- 2° C with optional heater

Technical data type 2 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
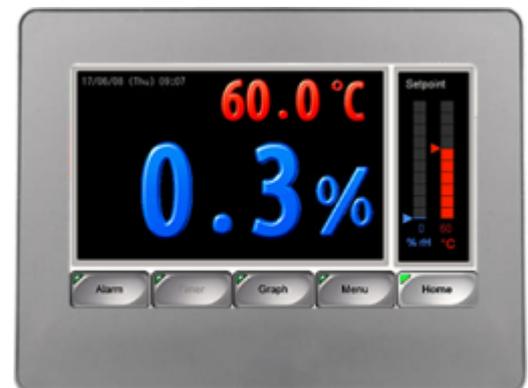- ✓ Doors Alarm
- ✓ Interlocking
- ✓ Manual Regeneration

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
- ✓ Ethernet connection
- ✓ Power consumption at 24 VDC, 40 mA

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 (optional)
- ✓ Manual Regeneration

Display

- ✓ Supply voltage (supplied by drying unit) 24 VAC/DC, 350 mA
- ✓ Input Touchscreen
- ✓ TFT Color LCD 4,3" (7" optional)
- ✓ Controllable Brightness
- ✓ Ethernet connection
- ✓ USB Interface for data logging purposes

SUPER DRY®
Totech EU®

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-5000 series

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

Technical data dry-unit U-7203 series

- ✓ Dehumidifying performance: 300 m^3/h max.
- ✓ Minimal humidity <2% RH
- ✓ Dehumidifying Temperature 10 – 60° C
- ✓ Electric supply: 230 VAC 50/60 Hz
- ✓ Dimensions (L x B x H): 545 x 461 x 521 mm
- ✓ Weight: 25 kg
- ✓ See Dry Unit U-7203 Datasheet for more detailed info

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

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