

# SECOM 535ce



## Windows CE.net controller for discontinuous dyeing processes with integrated PLC

Simplest operation, outstanding efficiency and a high degree of security – that's the unique operation concept of the SECOM 535ce. Based on Windows CE.net the SECOM 535ce is maintenance-free due to its fanless technology and is therefore the ideal choice for a long term industrial operation.

With the modular I/O concept, a performance and cost effective adaptation to all kinds of dyeing machines can be realized, according to the complexity of today's yarn, piece or other types of dyeing machines.

The SECOM 535ce with integrated PLC is used together with a decentral In-/Output System (FMD modules).



▶ SECOM 535ce

### ▶ Application

- Automation of all discontinuous program controlled processes in a dyehouse

### ▶ Application example



#### SECOM 535ce with integrated PLC

TFT display	5.7"
Resolution	VGA
Keyboard	•
Touch control	–
<b>Functionality</b>	
Parallel functions	4
Maximum no. of functions	50
Statistics	•
Integrated formula/time management	•
Short intervention/manual functions	•
User management	•
Production data acquisition (PDA)	•
Internet service portal	•
Data transfer and backup	USB stick

#### Interface

Ethernet (OrgaTEX.MES)	•
Internal PLC SC20 (IEC1131, CoDeSys)	•
Fieldbus	DIOS

#### Max. Inputs/Outputs (FMD modules)

Digital inputs	64
Digital outputs	64
Analog inputs	
PT 100	6
0/4–20 mA	8
Analog outputs	
0/4–20 mA	8
Counter inputs	4

## ▶ Specification

### Hardware:

Mass-storage-system: industrial CF card

**Display:** 5.7" TFT color display  
Resolution: 640 x 480 Pixel

### Functions:

Each step: 1 main/4 parallel with  
6 function parameters each

Number of functions: 50 out of 1000

Programs: max. 9999

### Interfaces:

RJ45: Ethernet, 10/100 MBit  
(OrgaTEX.MES)

USB: 2 x USB (Front, Rear)

DIOS: FMD modules

### Integrated UPS:

Power loss protection for minimum 10 sec

### Input voltage:

Nominal voltage: 24 V DC

Range permitted: 18–36 V DC

### Power consumption:

Operation: 30 VA

Inrush current: up to 13 A for max. 5 ms

### Protection system:

Front: IP 54

Rear: IP 22



▶ Bottom view SECOM 535CE (DIOS)

### Ambient temperature:

Operation: 0–50 °C (32–122 °F)

Storage: 0–70 °C (32–158 °F)

Relative humidity: 15–95% no condensation

### The unit is build in conformity with the following standards:

Emitted Interference: DIN EN 55022  
DIN EN 61000-6-4

Interference resistance: DIN EN 61000-6-2

Security: DIN EN 60950-1

### Dimensions (W x H x D):

205 x 260 x 127 mm (without connector)

**Weight:** approx. 3050 g

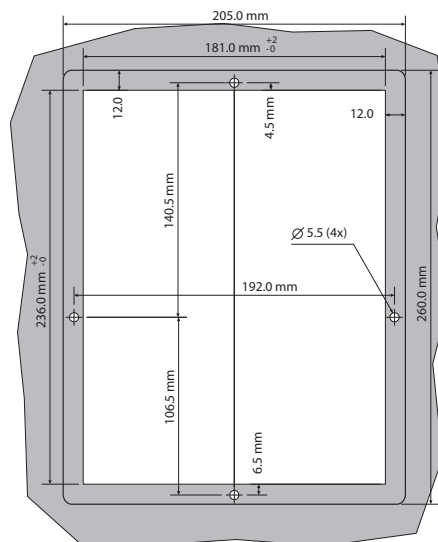
## ▶ Scope of delivery

### Art. no. STS29001

1 Controller SECOM 535CE

with plug-in PLC SC20D (DIOS)

incl. connecting devices and mounting devices



▶ Panel cut out: 181 x 236 mm (W x H)

▶ Depth: 123 mm (without connector)

# SETEX

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