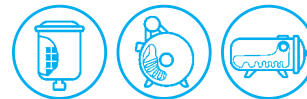


SECOM 787_{TCE}



Windows CE 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 787_{TCE}. The resistive touch screen allows an interactive operation – direct and straightforward. Based on Windows CE.net the SECOM 787_{TCE} 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 787_{TCE} with integrated PLC is used together with a decentral In-/Output System (FMD modules).

Application

- Automation of all discontinuous program controlled processes in a dyehouse

Application example



▶ SECOM 787_{TCE}

SECOM 787_{TCE} with integrated PLC

TFT display	10.4"
Resolution	VGA
Touch control	•
Functionality	
Parallel functions	12
Maximum no. of functions	200
Look ahead/batch overlapping	•
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)	•
USB	•
Fieldbus	DIOS
Integrated PLC	
PLC SC20 (IEC1131, CoDeSys)	•
Max. Inputs/Outputs (FMD modules)	
Digital inputs	96
Digital outputs	96
Analog inputs	
PT 100	9
0/4–20 mA	12
Analog outputs	
0/4–20 mA	12
Counter inputs	6

Specification

Hardware:

Mass-storage-system: industrial CF card

Display:

10.4" TFT color display

Resolution: 640 x 480 Pixel

Functions:

Each step: 1 main/12 parallel with
6 function parameters each

Number of functions: 200 out of 1000

Programs: max. 9999

Interfaces:

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

USB: 1 x USB (Rear)

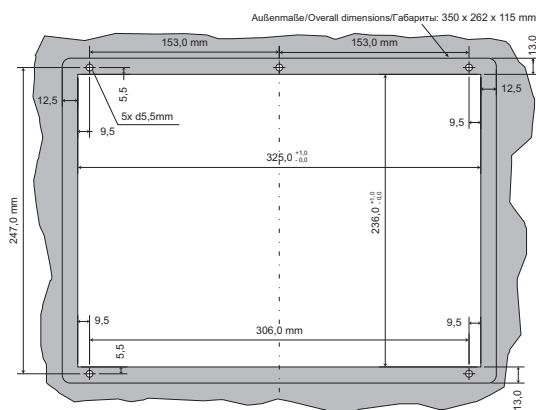
DIOS: FMD modules

Integrated UPS:

Power loss protection for minimum 10 sec



▶ Bottom view SECOM 787_{TCE}



- ▶ Panel cut out: 325 x 236 mm (W x H)
- ▶ Depth: 111 mm (without connector)

Input voltage:

Nominal voltage: 24 V DC

Range permitted: 18–36 V DC

Power consumption:

Operation: 22 VA

Inrush current: up to 10 A for max. 5 ms

Protection system:

Front: IP 54

Rear: IP 22

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 built 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):

350 x 262 x 115 mm (without connector)

Weight: approx. 4450 g

Scope of delivery

Art. no. STS39021

1 Controller SECOM 787_{TCE}

with integrated PLC (CoDeSys) and DIOS interface
incl. connecting devices and mounting devices

Accessories

Art. no. BGS38550

1 Touch screen protector foil



SETEX Schermuly textile computer GmbH
Hauptstraße 23-25 · 35794 Mengerskirchen · Germany
Tel. +49 6476 9147-0 · Fax +49 6476 9147-31
info@setex-germany.com · www.setex-germany.com