

E390_{12X}
for textile dyeing machines



Efficiency smart With extended functionality for the execution of complex production variables and a new handling, your machines are used in a transparent, efficient and traceable way.

For a fine-grained quality management and sophisticated Industry 4.0 applications, the E390_{12X} technology delivers new possibilities for alarms, events and alerts. Graphical and image-based machine settings and hardware-items, dramatically simplify and speed up online service and I/O interventions. The robust 12-inch touchscreen displays all information and operating functions in an information-rich and easy-to-follow manner.

Possibilities to communicate with the controller via mobile phone or tablet in real time connect the production and

office areas. For example, service personnel can log on to a machine via a tablet without touching the HMI.

The E390_{12X} controller is particularly suitable for all types of dyeing machines and dosing systems.

Application



E390 _{12X}	
TFT display	12"
Resolution	XGA
Touch control	•
Functionality	
Parallel functions	12
Maximum no. of functions	not limited
Look ahead/batch overlapping	•
Integrated formula/time management	•
Forecast calculation (energy, operator intervention,...)	•
Automatic dispensing requests	•
User management	•
Production data acquisition (PDA)	•
Internet service portal	•
External hardware PLC (data sheet CP 34/CP 38)	•
IP-Cam plug-in	•
Integrated OPC UA client	•
Remote access via integrated webserver	•
Data transfer and backup	USB stick
Interface	
Ethernet OrgaTEX	•
Ethernet Compact PLC	•
USB	•



Technical specification

Hardware

Mass-storage-system: 8 GB CFast flash disk

Display

12" resistive touch screen color display

Resolution: 768 x 1024 Pixel

Operating system:

Embedded Linux

Functions

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

Number of functions: not limited

Programs: not limited

Interfaces

RJ45: 2 x Ethernet, 100/1000 Mbit
OrgaTEX + PLC

USB: 2 x USB 2.0 (bottom, rear)
1 x USB 3.0 (rear)

Integrated UPS

Power loss protection for minimum 10 sec

Input voltage

Nominal voltage: 24 V DC

Range permitted: 18–30 V DC

Power

Inrush current: up to 12 A for max. 5 ms

Operation current: approx. 1.0 A

Power consumption: 24 W (1.0 A at 24 V)



Connections and interfaces E39012X

Insulation test voltage

500 V – the internal power supply is electrically isolated

Protection system

Front: IP 64

Rear: IP 21

Ambient conditions

Operating temperature: 0...+50 °C (32...122 °F)

Storage temperature: 0...+70 °C (32...158 °F)

Relative humidity: 15–95% no condensation

Dimensions (W x H x D)

250 x 350 x 110 mm

Weight

approx. 3700 g

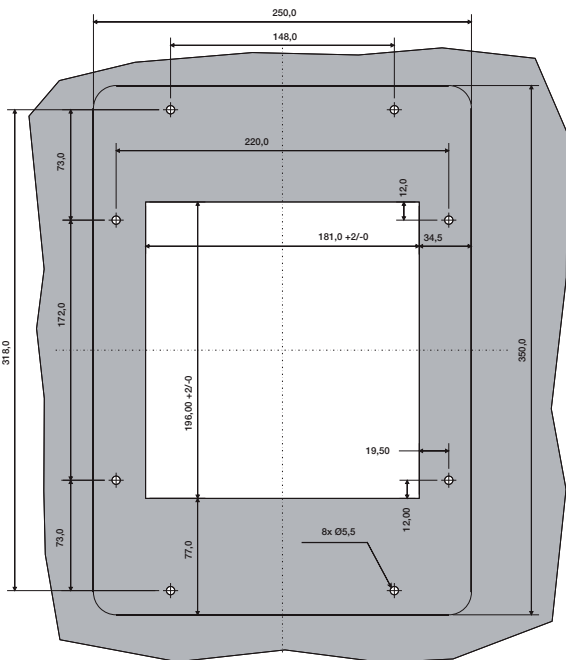
Scope of delivery

Art. no. STS96001

1 Controller E39012X

1 SECOM mounting devices

1 SECOM connecting devices



Dimensions: 250 x 350 x 110 mm (W x H x D)

Panel cutout: 181 x 196 mm (W x H)

Installation depth: 88 mm