

DATASHEET

STCS

CS14

The STCS-CS14 is a heat shrink system designed as a short conveyor based on infrared resistors.

Compact and lightweight machine for large production requirements since the output is only determined by the pace of the operator.

Optional Integrated System Automatic Centering (ISAC14) for heat shrink tube position and length assurance.



> Media for this machine

Reference of the product
14-01-0025

Technology
 Infrared



The equipment can be provided with optional systems like cooling, cable counter, auxiliary centering system, custom-made workbench and others



Communication features like Ethernet, USB, Wi-Fi, etc.



Compact and lightweight machine for space optimization



Optional ISAC14 (Integrated System Automatic Centering) for heat shrink tubing position assurance

Technical Data

WORKING TEMPERATURE

Min - Max [°C] / [°F] 300-600 / 572-1112

SHRINKING TIME

Min - Max [s] 3-100

MEASUREMENTS

	ISAC14	
Width; Length; Height [mm] / [in]	221; 842; 398 / 8.7; 33.1; 15.7	341; 1046; 398 / 13.4; 41.1; 15.7
Weight [kg] / [lbs]	35 / 77.2	55 / 121

POWER SUPPLY/CONSUMPTION

Supply	230 [V] @ 50Hz
Consumption	500 [mA] to 9.5 [A] (Max.2200W)

PNEUMATIC

Supply	Quick Hold Socket Ø6 [mm]	Quick Hold Socket Ø8 [mm]
Supply Pressure	Min: 4bar; Max: 7bar; Rec: 6bar	Min: 4bar; Max: 7bar; Rec: 6bar

CONNECTIONS

Barcode Reader	USB
Temperature Sensor	Type K Thermocouple
Power Line	1 IEC C20 Socket
Programming	Touchscreen, Barcode Reader, External Device
Interface	Touchscreen

SHRINKING CHAMBER

	ISAC14	
Shrinking Chamber [mm] / [in]	220; 70; 30 / 8.7; 2.8; 1.2	220; 70; 30 / 8.7; 2.8; 1.2
Min-Max Tube Ø [mm] / [in]	0-25 / 0-1	0-25 / 0-1
Min-Max Tube Length [mm] / [in]	0-65 / 0-2.6	35-65 / 1.4-2.6
Min-Max Cable Ø [mm] / [in]	0-12 / 0-0.5	0-10 / 0-0.4
Min-Max Cable Length [mm] / [in]	150-∞ / 5.9-∞	300-∞ / 11.8-∞
Splice Detection Length [mm] / [in]	-	7-21 / 0.3-0.8

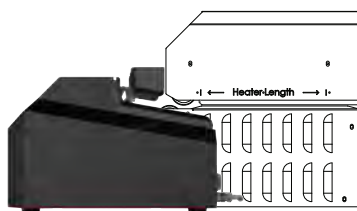
CALIBRATION

Calibration Probe	ref.: 06-01-0279
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Features

- Adjustable parameters: process temperature, shrinking time, etc.;
- Two different operating modes: M1 with temperature and time control; and M2 with pre-programmed references (999 in total);
- The pre-programming of references can be done manually or using a PC with STCS-RCT software or using a USB stick;
- The selection of references can be done automatically using a barcode reader or manually on the touchscreen;
- Automatic conveyor's speed adjustment, in function of the programmed shrinking time;
- Optional automatic centering system with heat shrink tube length control (ISAC14);
- Adjustable electrode for splice detection between 6mm and 22mm (ISAC14);
- Custom-made workbench with long/heavy cables support system;
- Manual and automatic calibration;
- Special maintenance mode for hardware debug;
- Equipped with the external temperature probe connection for temperature reading and offset adjustment;
- Automatic cool down cycle to extend the lifetime of components;
- Working time counter and partial and total cycle counter;
- Network communication;
- Interchangeable system language including: English, Portuguese, French and Spanish (others on demand).

Options



- **ISAC14**
Ref: 27-18-0002
- **Cable counter**
Ref: 06-01-0236
- **Cooling system**
Ref: 06-01-0235
- **Cable support system**
Ref: 06-01-0237
- **Auxiliary centering system**
Ref: 06-01-0232
- **Ethernet port**
Ref: 06-01-0238
- **Workbench**
Ref: 06-01-0234
- **End splice tool**
Ref: 06-01-0125
- **Ring terminal tool**
Ref: 06-01-0106