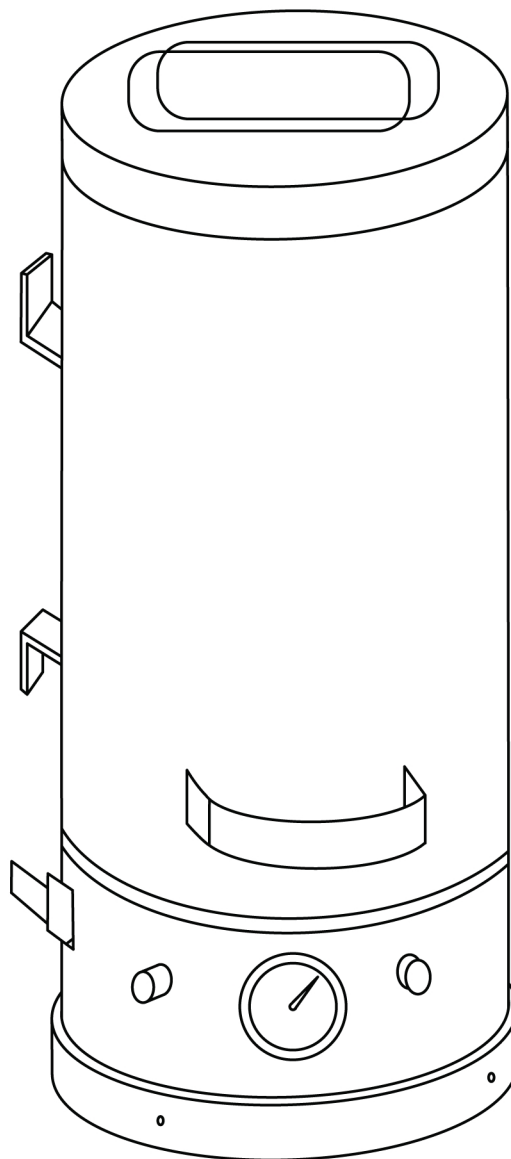


# ***PSE-10***



## **Instruction manual**



## EU DECLARATION OF CONFORMITY

According to  
The Low Voltage Directive 2014/35/EU, entering into force 20 April 2016  
The Machinery Directive 2006/42/EC, entering into force 17 May 2006

**Type of equipment**  
Electrode Oven

**Type designation**  
PSE-5, PSE-10, SDE-50, SDE-100, SDE-250, SDF-50, SDF-250

**Brand name or trademark**  
ESAB

**Manufacturer or his authorised representative**  
**Name, address, and telephone No:**  
ESAB Group Inc.  
2800 Airport Road, Denton, TX 76207  
Phone: 1-800-372-2123

**The following harmonised standard in force within the EEA has been used in the design:**

EN 60335-2-36 Electrical appliances – Safety Part 2-36: Particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements.
EN 60204-1:2018 Safety of machinery – Electrical equipment of machines – Part 1: General requirements.
EN ISO 12100 Safety of machinery – General principles of design – Risk assessment and risk reduction

**Additional Information:**

Restrictive use, Class A equipment, intended for use in location other than residential.

**By signing this document, the undersigned declares as manufacturer, or the manufacturer's authorised representative established within the EEA, that the equipment in question complies with the safety requirements stated above.**

**Date**

**Signature**

**Position**

2023-02-08

Carlos De Lima

Global R&D Standards Expert

CE 2023

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# 1 SAFETY

## 1.1 Meaning of symbols

As used throughout this manual: Means Attention! Be Alert!



### DANGER!

Means immediate hazards which, if not avoided, will result in immediate, serious personal injury or loss of life.



### WARNING!

Means potential hazards which could result in personal injury or loss of life.



### CAUTION!

Means hazards which could result in minor personal injury.



### WARNING!

Before use, read and understand the instruction manual and follow all labels, employer's safety practices and Safety Data Sheets (SDSs).



## 1.2 Safety precautions



### ELECTRIC SHOCK - Can kill

- Do not touch live electrical parts or electrodes with bare skin, wet gloves or wet clothing.
- Insulate yourself from work and ground.
- Ensure your working position is safe.



### FIRE HAZARD

- Do not use if the power cord is broken or abnormal temperature variation (not recommended as per manual/factsheet) seen on the oven as it may cause fire.
- Make sure that there are no inflammable materials nearby.



### HOT SURFACE - Parts can burn

- Do not touch parts bare handed.
- Allow cooling period before handling or working with the equipment.
- To handle hot parts, use proper tools and/or insulated welding gloves to prevent burns.

# 2 INTRODUCTION

## 2.1 Oven use and purpose

The **PSE-10** oven model is designed to dry and store stick welding electrodes at a desired pre-set temperature to remove moisture. Desired temperature can be set, based on the recommendation from the electrode manufacturer to achieve correct drying, ensuring the moisture content and for storage. This oven should only be used for its recommended setting and usage.

### 3 TECHNICAL DATA

	PSE-10
Capacity	Up to 10 kg (22 lbs.)
Voltage	240 V (1 ph)
Frequency	50/60 Hz
Output	400 W
Temperature	60-200 °C (140-392 °F)
Outer dimensions (Ø/height, cm)	22 × 60
Weight (Without electrodes)	8 kg (17 lbs.)

### 4 INSTALLATION


**NOTE!**

Make sure that the technical specification on the product corresponds to the electrical supply in your network.

Check the voltage, frequency information and check that there is no fault that will affect the operation of the product.

#### 4.1 Operation


**WARNING!**

When the oven is not in use, remove the power cord plug from wall socket.

- Load welding electrodes in oven puller tray.
- Connect oven power cord plug to a power supply outlet as recommended in the technical information. Make sure the power outlet socket matches the oven power plug type.
- For thermostat available model - set the desired temperature using thermostat.
- The indicator lamp will turn ON and remain ON till the oven reaches the set temperature.
- The indicator lamp will turn OFF when the oven has reached the desired set temperature.


**NOTE!**

Make sure to remove the welding electrodes from their packages before putting them into oven puller tray.

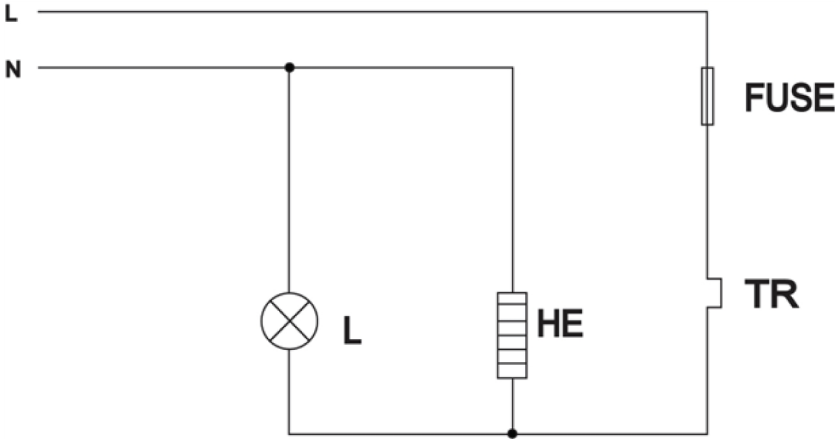
## APPENDIX

### ORDERING NUMBERS

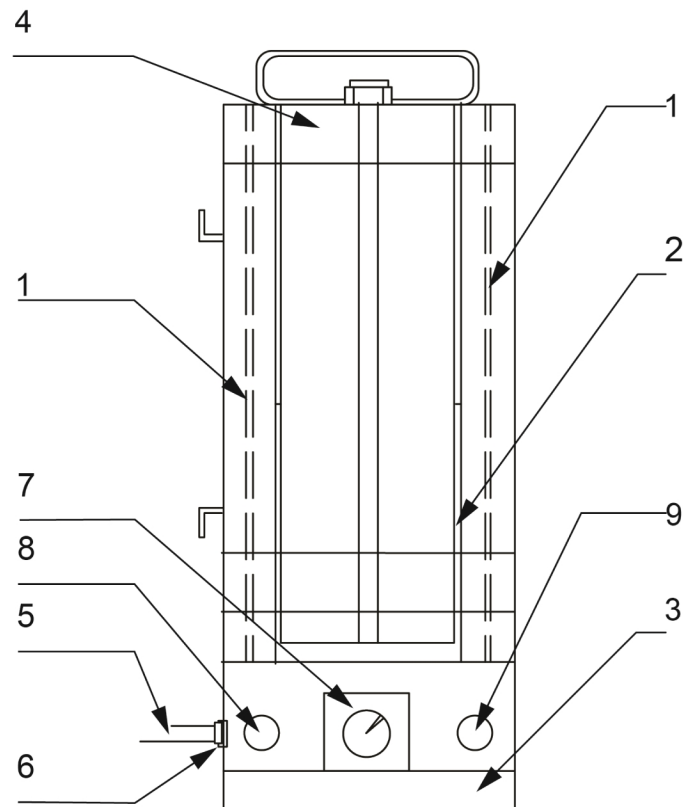
Ordering number	Denomination	Type	Notes
0700 100 127	Portable electrode storage	PSE-10	Single phase 240 V AC 50/60 Hz

Technical documentation is available on the Internet at: [www.esab.com](http://www.esab.com)

# WIRING DIAGRAM



## ORDERING SPARE PARTS



Item no.	Qty.	Ordering number	Description	Notes
1	2	0700 100 112	Heating element	230 V
	2	0700 100 113	Heating element	110 V
	2	0700 100 114	Heating element	24 V
2	1	0700 100 133	Puller tray	10 kg
3	1	0700 100 134	Bottom cover	
4	1	0700 100 135	Top cover	
5	1	0700 100 118	Power cord	230 V with plug
	1	0700 100 119	Power cord	110 V with plug
	1	0700 100 120	Power cord	24 V with plug
6	1	0700 100 121	Cable gland	
7	1	0700 100 032	Thermostat	
8	1	0700 100 122	Fuse holder	
	1	0700 100 141	Fuse (glass)	5 A
9	1	0700 100 124	Pilot lamp	230 V
	1	0700 100 125	Pilot lamp	110 V
	1	0700 100 126	Pilot lamp	24 V



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For contact information visit <http://esab.com>

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