



MANUAL

SEALING TONGS

1S T-SERIES

These portable welding tongs with generator can be used to close airtight bags, and also to make containment locks from flat film, to prevent the spread of radioactive contamination during dismantling and maintenance operations... The 2 thermocouples ensure permanent and continuous monitoring of the welding zone, and therefore hermetic sealing to prevent any leakage or contamination during transport and storage.



1S en T

THEY TRUST us

framatome



orano



IAEA
International Atomic Energy Agency

Uses



Nuclear sector



Laboratory pharmaceutical and biological



- ✓ T-shape for easy assembly of flat pieces of film to make airlocks and guarantee a perfect seal.
- ✓ Control and regulation of the welding temperature of each heating tapes by a system of 2 thermocouples associated with an electronic board.
- ✓ Continuous monitoring of welding parameters defined during the qualification process.
- ✓ Quality and regularity of welds: traceability by memorising welding cycles.
- ✓ Easy to use: all welding steps are submitted to the operator for approval.
- ✓ Multifunction parameter-setting software (time, temperature, pressure...).









1 year warranty⁽¹⁾

⁽¹⁾Except wear parts

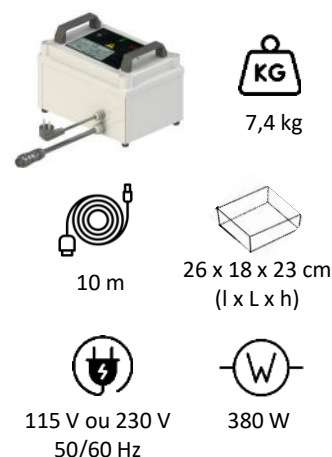


Compliance with CE standards

TECHNICAL DATA

| MODELS |  |  |  |  |  |  |
|----------------|---|---|---|---|--|---|
| 1S 102T | 15 x 35 x 18 cm | 100 x 12 mm | manual | 2 kg | 4,5 m | 380 W |
| 1S 202T | 25 x 35 x 18 cm | 200 x 12 mm | | 2,2 kg | | |
| 1S 258T | 30 x 35 x 18 cm | 250 x 8 mm | | 2,3 kg | | |
| 1S 252T | 30 x 35 x 18 cm | 250 x 12 cm | | 2,3 kg | | |
| 1S 302T | 35 x 35 x 18 cm | 300 x 12 mm | | 2,5 kg | | |
| 1S 404T | 45 x 35 x 18 cm | 400 x 4 mm | | 2,7 kg | | |

GENERATOR



EQUIPMENT

Cycle start button

1 welding tape

Manual locking system



Generator with display control panel

CONFIGURATION SOFTWARE

- ✓ 2 secure profiles with different user rights.
- ✓ History and traceability by memorising welding cycles.
- ✓ Integration of weld characteristics according to needed parameters: material, thickness...

(more information on page 3)



TABLE OPTION

Compact work table with 5 wheels swivelling at 360° with brakes.

Not height-adjustable.

(more information in the tables product leaflet).

ref. DESSCHAR



ZOOM CONTROL PANEL

- 1 to 9 adaptable programs in memory.
- Simple 4-digit messages describing the procedure at each step of the process.



Need more information?



Contact the sales department

+33 (0)4 74 00 59 54

ZOOM CONFIGURATION SOFTWARE

THE SOFTWARE SUPPLIED WITH THE TONG ENABLES :

- Loading welding parameters.
- A record of the history of welds made with the tong.
- Diagnosis of incidents that may have blocked the welding process.
- The cycle is stopped if one of the parameters differs from that defined during the qualification process: the tong is held in the closed position to ensure that containment is maintained.
(A warning message appears on the display).



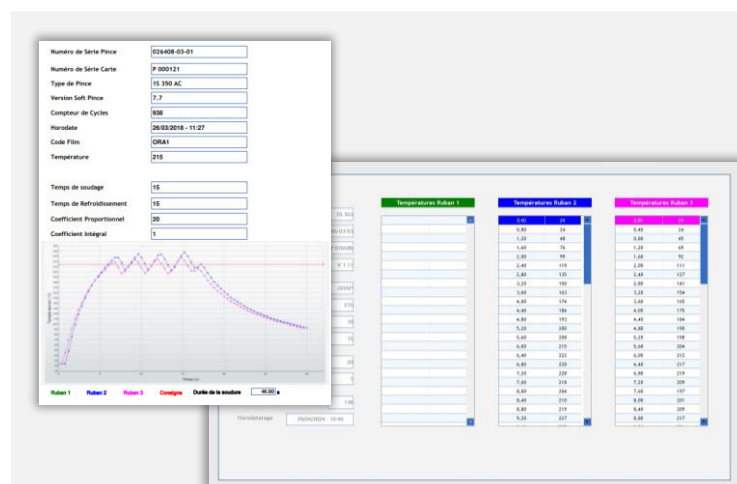
PARAMETERS :

The *parameters* menu gives all the information relating to the tong, in particular the tong serial number, the cycle counters (total and partial)... and allows the welding parameters to be defined according to the type of film.

HISTORY OF WELDING CYCLES AND DEFECTS :

The software allows you to view the last 100 welding cycles with the exact temperature of each welding wire (stored in graphical and tabular form), as well as all the following information:

- Date and time of welding
- Film code
- Pressure
- Welding duration
- Cooling duration
- Counter



For each weld recorded in the history, the software provides details of the temperatures recorded every 300 milliseconds by each thermocouple.

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