Monitor and Control Apparatus

**Electronic controller “Electemp-TFT”**

**FEATURES**
- Temperature range: -150 °C to 1300 °C
- Stability: ±0.1 °C.
- Resolution: ±0.1 °C Pt 100 /±1 °C K Type probe.

**Touch screen**
- Main On/Off switch.
- Acoustic and visual alarm.
- Clock calendar.
- Up to 10 work programs.
- Up to 6 segments per program.
- Stability time in each segment (from 1 min to 99h ).
- Ramps between segments.
- Alarms and events storage.
- Probe error detection.
- Network failure detection and saving.
- Over temperature and low temperature alarms and memorization (date, start time, end time and temperature).
- Safety thermostat (TS) by software.
- RS-232 and USB output.
- Software for PC.
- Temperature control auto-tuning.
- Manual user on screen.
- Configurable parameters: Date / time, temperature correction, data collection interval, language (English, Spanish and French), °C / °F selection, over temperature and low temperature limit.

**CONTROL PANEL**
- Setpoint temperature and time indicator.
- Temperature limit indicator.
- Timer virtual pushbutton.
- Reverse virtual pushbutton.
- Start virtual pushbutton.
- Stop virtual pushbutton.
- Programming virtual pushbutton.

**BACK PANEL**
- Power output (SCHUKO plug) 3100 W at 230 V.
- Protection fuse.
- PT100 probe connection.
- K type probe connection.
- Data output.

**APPLICATIONS**
- Digital thermometer.
- To control and display temperature in any equipment with temperature control system, that uses a contact thermometer, such as: Baths, Immersion thermostats, Hotplates and Hotplate stirrers, Mantles, etc.
- Can also be used by a immersion thermostat controlling a heater element. (maximum power 3100 W).
- As a regulator or temperature reader in equipment that are labelled with.

**Electronic contact thermometer “Sensoterm II”**

**DIGITAL DISPLAY, PT 1000 PROBE, AISI 304 STAINLESS STEEL. STABILITY ±1 °C, ±1 DIGIT. RESOLUTION ±1 °C.**

**FEATURES**
- Advantages include a separate temperature probe that maintains the main body away from steam and other vapours. Safer than a glass contact thermometer, eliminating the risk of broken it and a mercury spillage.
- Main body made of ABS plastic.

**TECHNICAL DATA**
- Temperature range: from -50 °C to 300 °C.
- Temperature probe: 3.5 mm Ø x 250 mm immersion.
- Temperature Display: 8 mm high LCD display.
- Ambient working range: 0 to 60 °C and a relative humidity of 80 %.

**MODEL**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Height / Width / Depth cm (exterior)</th>
<th>Weight Kg</th>
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<tbody>
<tr>
<td>100109</td>
<td>13 x 7 x 2.4</td>
<td>0.250</td>
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</tbody>
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**ACCESSORIES**
- Pt 100 probe. Immersion dimensions: 4 mm Ø, 130 mm length. Cable: 150 cm length.
  - Part No. 1000893
- Type K probe. Immersion dimensions: 2 mm Ø, 150 mm length. Cable: 150 cm length.
  - Part No. 1000895

**NEW DESIGN**