

## Temperature calibrator type TC TC 621 : thermocouple, TC 622 : RTD

**Features:**

- Well adapted for different process job procedures due to their wide choice of ranges and specific functions such as scaling and ramping;
- High accuracy: 0.02% of reading, accuracy is maintained even in harsh environmental conditions;
- Very low temperature coefficient: as low as 15 ppm / °C in thermocouples and 10 ppm / °C in resistance;
- Measurement and simulation of 14 thermocouples and 12 RTD types;
- Display - graphical LCD with adjustable contrast and backlight, resolution - 3 user selectable resolutions (up to 3 decimal places: high, middle or low resolution);
- Date and Time Display - continuously displayed, statistics - maximum, average, and minimum are displayed. Reset function allows re-calculating of the values;
- Hold - freezes the display, filter – a filter can be applied to avoid fluctuation of the value;
- Delay Function - when simulating steps or ramps, this function allows delayed start;

**Environmental conditions :**

- Reference Conditions: 23°C ±5°C, Relative Humidity : 45% to 75%;
- Nominal Operating Conditions: -10°C up to +50°C, Relative Humidity: 20% up to 80% non-condensing;
- Maximum Operating Conditions: -10°C up to +55°C, Relative Humidity: 10% up to 80% (70% at 55°C);
- Maximum Storage Temperature: -30°C up to +60°C (without battery);
- Electrical Security: EN 61010, electromagnetic capability: EN61326;
- Connection: mini compensated connector for TC, RTD Connection: 4 pin round connector or 4 banana plugs;
- USB Connection: for PC connection (software upgrade and application with DATACAL);
- Power Supply: 4 AA batteries. Optional rechargeable battery pack with charger is available;
- Battery Life: IN: 40 hours, OUT: 33 hours;
- Dimensions: (without protection boot): 6.18 x 3.35 x 1.77 inches (157 x 85 x 45mm);
- Weight: 10.79 ounces (306 g);
- IP Rating: IP54 according to EN 60529;
- Included Accessories: Protective Boot, 4 AA Batteries, User Manual on CD Rom, Wrist Strap, 2 Measurement Leads, NIST Calibration Certificate, and Carrying Case;
- Optional Accessories: Rechargeable Batteries and Charger;

**Order code: TC -□□□-□□□□**

Type	621	Calibrator for thermocouple
	622	Calibrator for RTD
Optional accessories	AC	Rechargeable batteries and battery charger
	NIST	Subsequent NIST Certification
	TC	Thermocouple (TC)
	TTR	RTD



**Our company can execute any model of thermocouple or RTD**