

Model 6772 Calorimetric Thermometer

For precise temperature rise measurements and calorimetric determinations control.



6772 Calorimetric Thermometer Displaying Main Menu Screen

This two-channel precision calorimetric thermometer is included with the 6725 Semimicro Oxygen Bomb Calorimeter and the 6755 Solution Calorimeter. It is also used with the Parr 1341 Oxygen Bomb Calorimeter or for other laboratory applications requiring high precision, differential temperature measurements.

The 6772 Calorimetric Thermometer features Parr's new fourth generation microprocessor control and provides:

- A bright, color, touch screen display and data input system with an intuitive graphical user interface for instrument setup and operation.
- A modern operating system (Linux) with communication and file management systems comparable to a PC.
- USB port for reporting to a printer, receiving sample weights from an analytical balance and bidirectional communications with a laboratory computer via an Ethernet connection.
- A built-in ignition circuit for manually or automatically firing an oxygen bomb.

The Operating Program provides the user with many options and provisions for:

Calorimeter Operation

- Oxygen bombs
- Solution

Thermal Corrections

- Calculated
- Fixed
- Measured – using a second probe

Temperature Graphing

- On screen
- Remote

Thermochemical Corrections (Combustion)

- Fuse
- Nitric Acid
- Sulfur

Data Entry

- Manual
- Automatic

Reporting Controls

Communications Controls

- Diagnostic
- Help menus

SPECIFICATIONS

Model Number:
6772

Operating Range:
10 - 50 °C

Resolution:
0.0001 °C

Absolute Accuracy w/out Calibration:
± 0.1000 °C

Absolute Accuracy w/ Calibration:
± 0.0500 °C

Repeatability, Single Point:
± 0.002 °C

Linearity, 10 °C Span:
± 0.002 °C

Balance Communication:
USB

Printer Communication:
USB

Network Connection:
TCP/IP via Ethernet

Dimensions (cm):
56w x 36d x 31h

6772 Calorimetric Thermometer Ordering Guide

Model No.	Voltage	Description
6772EA / EF	115 V / 230 V	6772 Calorimetric Thermometer
1168E2	NA	Thermistor Probe