

Notes:

Warranty

This product is fully warranted against defective materials and/or workmanship for a period of one year after purchase, provided it was not improperly used. For your protection, please use this product as soon as possible. If returned, it must be securely wrapped, sent prepaid and insured to:

Pacer Industries, Inc.
1450 First Avenue
Chippewa Falls, WI 54729
PH: 715-723-1141
FX: 715-723-7890

Please include a note with name, address, telephone number and description of the problem. Although we provide assistance on Pacer products both personally and through our literature, it is still the total responsibility of the customer to determine the suitability of the product for use in their application.

This manual is provided by Pacer Industries without any kind of warranty. Precautions have been taken in accurately preparing this manual; however, we neither assume responsibility for any omissions or errors that may appear nor assume liability for any damages that result from the use of the products in accordance with the information contained in the manual.

INTRODUCTION

Pacer models PT200S (°F) and PT300 (°C) digital thermometers are accurate, versatile instruments for measuring temperature. They are available with a round immersion tip (standard) or a sharp insertion tip (no-charge option).

The PT200S has a high and low range and the PT300 has a display hold switch setting.

SECTION 1 - SPECIFICATIONS

Sensor:	Semiconductor (PTC)
Range:	
Temperature – PT200S:	
Low range:	-55.0° to 199.9°F
High range:	-55° to 300°F
Temperature – PT300:	-55.0° to 150.0°C
Accuracy:	
PT200S:	±1°F ±1 digit
PT300:	±0.5°C ±1 digit
Resolution:	
PT200S:	
Low range:	0.1°F
High range:	1°F
PT300:	0.1°C
Response time:	Approximately 15 seconds
Sampling rate:	2.5 measurements/second
Operating temperature:	32° to 120°F (0° to 49°C)
Storage temperature:	14° to 140°F (-10° to 60°C)
Power supply:	9V alkaline battery (Eveready 522 or equivalent)
Battery Life:	Approximately 200 hours
Battery check:	Automatic “LO BAT” display
Dimensions:	
Instrument:	4.75” x 2.75” x 1”
Weight:	6 ounces with battery
Display:	0.5” LCD, 3 ½ digits

SPECIFICATIONS - continued

Options:

CG-3 charger:	PN 6043 (with NiMH battery)
Insertion (sharp) tip:	No charge, specify at purchase
Rigid carrying case:	PN 6005
Leatherette holster:	PN 3865

Included:

1 piece:	PT200S or PT300 thermometer
1 piece:	9V alkaline battery
1 piece:	PN M2962 operation manual

SECTION 2 – OPERATION

PT200S The switch to the left is OFF; center position is ON in the LOW RANGE and to the right is ON in the HIGH RANGE. Hold the probe tip at the location to be measured. The K-type thermocouple is located at the tip. If the temperature being measured is over range (see SPECIFICATIONS), a “1” will be displayed with the other digits blinking.

PT300 The switch to the left is OFF, center position is ON and to the right is the display “HOLD” position. Hold the probe tip at the location to be measured. The K-type thermocouple is located at the tip. If the temperature being measured is over range (see SPECIFICATIONS), a “1” will be displayed with the other digits blinking.

NOTE: On both units “LO BATT” indicates a low battery. Change (or charge) the battery.