

4) Insert type "K" thermocouple probe and/or extension, observing proper polarity, into yellow thermocouple jack on top of instrument. See fig. 2.

5) Insert probe into medium to be tested and allow enough time before taking a reading.

Note: Range of type "K" probe in conjunction with this instrument is -100°F (-73°C) to 1999°F (1092°C). If an over-range indication should appear in the display, probe or extension may be open circuited.

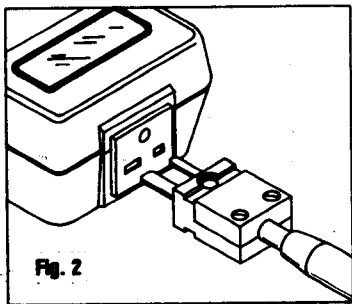


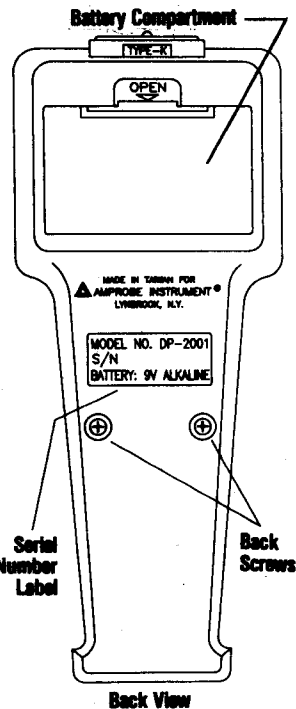
Fig. 2

FACTORY SERVICE

For factory service, package instrument and packing slip with sufficient cushioning material in a shipping carton; make certain your name and address also appears on box as well as packing slip; ship prepaid via UPS (where available) or Parcel Post insured to:

Service Division
Amprobe Instrument
 630 Merrick Road (Use for UPS)
 P.O. Box 329 (Use for Parcel Post)
 Lynbrook, N.Y. 11563-0329

Outside the USA the local Amprobe representative will assist you.



ACCESSORIES AVAILABLE

- | | |
|----------|--|
| TC-11 | - General Purpose Probe |
| TC-12 | - Surface Probe (Straight) |
| TC-13 | - Air/Gas Probe |
| TC-14 | - Heavy Duty Needle Probe (Hypodermic) |
| DPX-2000 | - Extension C. |

or "K"

Printed in Taiwan R.O.C.

OPERATING INSTRUCTIONS

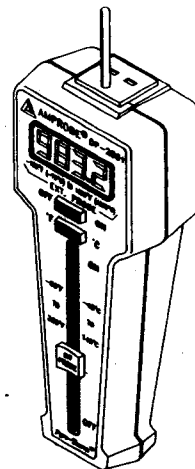
FOR

AMPROBE®

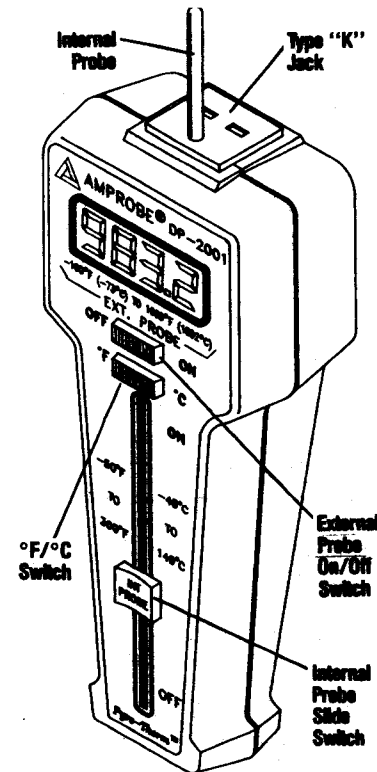
PYRO-THERM™

DIGITAL PYROMETER

MODEL DP-2001



See Limited Warranty inside



TIPS ON USING INSTRUMENT

- 1) Do not insert either the internal or external probes in corrosive mediums.
- 2) Take readings when numerical indication shows little or no changes.
- 3) Do not insert probes in conductive mediums.
- 4) Replace battery when Lo Battery indication appears in display.

LIMITED WARRANTY

Congratulations! You are now the owner of an AMPROBE® instrument. It has been quality crafted according to quality standards and contains quality components and workmanship. This instrument has been inspected for proper operation of all of its functions. It has been tested by qualified factory technicians according to the long-established standards of AMPROBE INSTRUMENT.

Your AMPROBE® instrument has a limited warranty against defective materials and/or workmanship for one year from the date of purchase provided that, in the opinion of the factory, the instrument has not been tampered with or taken apart.

Should your instrument fail due to defective materials and/or workmanship during the one-year warranty period, return it along with a copy of your dated bill of sale which must identify instrument by model number and serial number.

For your protection, please use the instrument as soon as possible. If damaged, or should the need arise to return the instrument, it must be securely wrapped (to prevent damage in transit) and sent prepaid via Air Parcel Post insured or UPS where available to:

Service Division
AMPROBE INSTRUMENT
630 Merrick Road (For U.P.S.)
P.O. Box 329 (For P.P.)
Lynbrook, NY 11563-0329

Outside of the U.S.A. the local Amprobe representative will assist you.

Above limited warranty covers repairs and replacement of instrument, only and no other obligation is stated or implied.

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SPECIFICATIONS

Display:	3 1/2 digits LCD
Resolution:	1.0°F, 0.1°C internal probe 1°F, 1°C external probe
Over-range Indication:	"1"
Low Battery Indication:	"Lo Bat"
Sensing:	Internal Probe - Semiconductor External Probe - Type "K" Thermocouple
Measurement Rate:	Minimum 3 times per second
Temperature Response:	Not more than 15 seconds depending on the medium
Temperature Co-Efficient:	± 0.1° C/10°C for C scale ± 0.1° F/10°F ± 1 LSD for F scale
Operating Temperature & Humidity:	32°F (0°C) to 120°F (49°C) up to 80% R.H.
Storage Temperature & Humidity:	20°F (-6°C) to 140°F (60°C) up to 80% R.H.
Below Zero Indication:	MINUS "--"
Power Supply:	9V alkaline battery (not supplied)
Battery Life:	1 yrs minimum

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Instrument

Accuracy: With internal probe;
± 2° over entire range from -50°F (-46°C) to 300°F (149°C)
Without external probe*: -50°F (-46°C) to 1999°F (1092°C).
± 2% of rdg ± 1 LSD
-50°F (-46°C) to -75°F (59.4°C) ± 3°
-76°F (-60°C) to -100°F (-73.3°C) ± 6°

External Probe Jack: Miniature type "K"

Size: 6 3/4" (17.14cm) × 2 3/4" (6.98cm) × 2" (5.08cm)

Weight: 5.7 oz (161 gm) (without battery)

*External probe accuracy will affect accuracy of reading.

DESCRIPTION

Pyro-Therm™ Model DP-2001 is a fast response, accurate and wide ranged Temperature Measuring Instrument. Its internal semiconductor probe has a broad range of low temperature applications. The external probe utilizes a type "K" thermocouple as its sensor.

The DP-2001 is a 3 1/2 digit instrument with a resolution of 1.0°F or 0.1°C. It has a bright display with LCD digits that are more than 1/2" high. The housing is made from high impact plastic and is resistant to most corrosive materials.

When using the external mode, many different configurations of type "K" probes can be plugged directly or used in conjunction with an external lead. See page 8 for available accessories.

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OPERATION

INTERNAL PROBE

Remove battery compartment cover in the back by pressing down with thumb and pulling cover towards you. See fig. 1. Insert a 9V alkaline battery by snapping into battery connector.

- 1) Move "EXT PROBE" switch to OFF position.
- 2) Move °F/°C switch to desired location.
- 3) Slide "INT PROBE" switch from OFF to ON until it locks into position. Instrument should now be reading approximately room temperature.
- 4) Insert probe into medium to be tested. Allow about 20 to 30 seconds before taking the reading.

Note: Range of this probe is -50°F (-46°C) to 300°F (149°C).

EXTERNAL PROBE

- 1) Move "EXT PROBE" switch to ON position.
- 2) Move °F/°C switch to desired location.
- 3) Move "INT PROBE" slide switch to OFF position. Be sure it "clicks" into place.

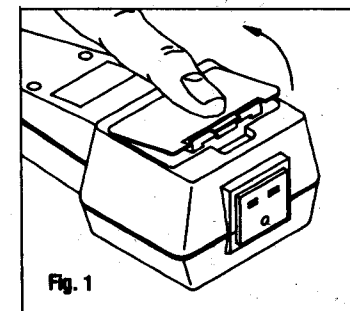


Fig. 1

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