



DP752
Solar Powered and
AC Powered Thermometers
M1506/1092



DESCRIPTION

The OMEGA DP752 Solar Powered Thermometers are excellent for outdoor applications where AC power is not available and wide ambient operating temperature is required. Using a 3 volt solar cell the DP752 will operate with as little as 35 lux (a comfortably lit desk is about 300 lux.) The ability to operate in temperatures as low as -35°F, allows the user to monitor temperatures of pipelines in remote sites. Other applications include walk-in refrigerators/freezers and photographic apparatus. Since it is self-powered, the DP752 thermometers can also be used near hot tubs and pools where electrical safety is a concern.

The DP752 is also available in an AC powered model for use in applications which require an LED display and a wide ambient operating range, but limited lighting conditions prevail.

The following models are available from OMEGA Engineering, Inc.

PART NUMBER	DESCRIPTION OF THERMOMETERS
DP752F-(*)-SLR	2.31" Diameter LCD, solar powered Range of -58° to 158°F, Resolution of 1°F
DP752C-(*)-SLR	2.31" Diameter LCD, solar powered Range of -50° to 70°C, Resolution of 1°C
DP752F-(*)-110 †	2.31" Diameter LED, 110VAC power to AC transformer Range of -40° to 230°F Resolution of 1°F
DP752C-(*)-110 †	2.31" Diameter LED, 110VAC power to AC transformer Range of -40° to 110°C Resolution of 1°C

- NOTES:**
- * specify 36 or 96 inches for cable length. Special lengths are available.
 - The thermistor and cable are calibrated and matched to the display. The probes are not interchangeable.
 - † To order DP752 with 220 VAC power, change "-110" to "-220".

UNPACKING

Remove the Packing List and verify that all equipment has been received. If there are any questions about the shipment, please call the OMEGA Customer Service Department at 1-800-622-2378 or (203) 359-1660. Upon receipt of shipment, inspect the container and equipment for any signs of damage. Take particular note of any evidence of rough handling in transit. Immediately report any damage to the shipping agent.

NOTE

The carrier will not honor any claims unless all shipping material is saved for their examination. After examining and removing contents, save packing material and carton in the event reshipment is necessary.

Make sure the thermometer and manual are in the shipping box.

INSTALLATION

(U-CLAMP MOUNTING IN A PANEL)

1. Exterior panel hole size to be round 2.04" diameter.
2. Push sensor probe through hole from the exterior and take up slack from the interior.
3. Place the thermometer in position on the exterior and secure using U-Clamp and two thumb screws supplied. Be careful not to overtighten.
4. Secure probe and sensor wire with clips (not supplied). Use sealant to fill in interior hole.
5. Clean the temperature display (LCD) and solar panel before securing protective part number mask.
6. Peel off backing on protective part number mask and secure on front of unit being sure to press on all around to seal the mask to the case.

SPECIFICATIONS:

A	N/A	RELEASED	MC	030325
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PART NUMBER: **DP752**
RANGE: -40 TO 230°F.
CASE: UL-LISTED V-2 RATED GE LEXAN.
DISPLAY: THREE HIGH INTENSITY RED LED DIGITS.
RESOLUTION: 1°.
ACCURACY: ±2°F PER NSF STANDARD C-2.
CALIBRATION ADJUSTMENT: ±12°F THROUGH EXTERNAL POTENTIOMETER.
POWER: 12VAC, 9V, 72 HR. BATTERY BACK-UP
AMBIENT: -35°F TO 160°F & UP TO 90% RH.
SENSOR: N5U X 60" WIRE

