

GLOBAL SENSORS DE-305

The Affordable Thermocouple Standard

Thermocouple thermometers are popular because of the fact that they are stable and accommodate a wide range of universal probe configurations.

What most users do not know is that thermocouple probes will drift over time. The sensor tip is a junction between two different types of metal, and this junction must remain unchanged for best accuracy. Corrosion and other unseen chemical changes affect accuracy over time. Recalibration brings the accuracy back in line, but you need to make an adjustment at the thermometer end of things...you can't "adjust" a probe.

Our DE-305 takes care of this issue by providing a convenient adjustment on the face of the instrument. If you have a reference thermometer or can put together your own ice bath, you can do your own calibrating.

It's affordable and supplied with all of the control features that are found in top of the line instrument.

PRODUCT CODE: DE-305

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Global Sensors User Calibration Thermocouple Thermometer

The DE-305 is supplied with a hand protective "boot" to allow usage in tough applications where a drop to the floor is a common occurrence.



HOLD button
"freezes"
current reading

MAX button
reports highest
reading since
the last MAX
button press

OFFSET screw
can be
operated to
adjust
calibrated value

The boot is shown in the illustration above. Note that the DE-305 is NOT supplied with a thermocouple probe. Contact us for finding the probe that is best for your application.

PRODUCT SPECIFICATIONS

PS#11

Temperature Range	-58 °F to +1742°F (-50 °C to +950 °C)
Temperature Accuracy	± 0.3% +1 °C of the reading over full range (as supplied...user can improve this performance)
Power Source	9 Volt Battery (500 hours)
Response Time	15 seconds (using typical probe)
Construction	Constructed of Durable ABS Plastic/Neoprene Rubber "boot"
Response Time	5 seconds RH temperature instant
Display Features	LCD showing HOLD\MAX conditions and temperatures in °F or °C [with decimal or without decimal]
Display Detail	Display 2.1" x 1.0" (53mm x 25mm) 3.5 digit
Weight	UNIT: 11.3 oz (208 g)
Dimensions	MAIN BODY: 5.8" L x 2.8" W x 1.4" D (148 mm x 71 mm x 36 mm) BOOT 0.25" thick (7 mm)
Sampling Rate	2.5 times per second
Ambient Operating Range	+32 °F to +122°F (0 °C to +50 °C)
Probe Acceptance	K-type only with standard plug

