

IMPORTANT

DO NOT RETURN TO STORE

For all questions, comments, or inquiries, please contact
Dansons directly: www.pitboss-grills.com

MADE IN CHINA

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602240911UMV



USER GUIDE

PART : 41162



PIT BOSS®

ULTIMATE GRIDDLE

INFRARED THERMOMETER

IMPORTANT, READ CAREFULLY, RETAIN FOR FUTURE REFERENCE.

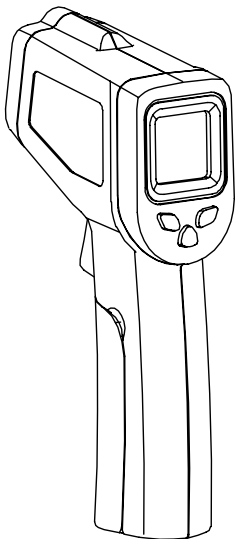


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Customer Care

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SPECIFICATIONS

ACCURACY	$\geq 100^{\circ}\text{C}$, $\pm 2\%$ / $\leq 100^{\circ}\text{C}$, $\pm 2^{\circ}\text{C}$
RESPONSE TIME	0.5S
EMISSIVITY	ADJUSTABLE, 0.1 TO 1.0
DISTANCE TO SPOT RATIO	12:1
STORAGE TEMPERATURE	-20 TO 50°C (-4 ~ 122°F)
OPERATING TEMPERATURE	0 TO 50°C (32 ~ 122°F)
POWER/POWER LIFE	2 X AAA BATTERIES/~ 9 HOURS

OPERATION

TURN ON

Install the batteries and press the measurement button, then the thermometer turns on and shows the temperature reading automatically.

LCD DISPLAY

The LCD displays shows the signals and functions. Details are shown in *Unit Features*.

MEASUREMENT

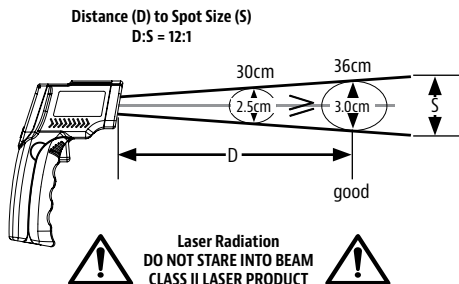
Aim to target the article with the thermometer head, press the measurement button (trigger), and release the button (need to press the button for at least 0.5 second) to show the current temperature reading, or hold the button for continuous testing with more temperature reading results.

TURN OFF

The thermometer will turn off automatically after 15 seconds without any operation.

DISTANCE SPOT RATIO

The farther the target, the larger the test spot area. As the distance from the thermometer to the object increases, the spot size of the measuring area becomes larger. The Distance Spot Ratio "D:S" is shown in the illustration below. The diameter of the target spot area is 3cm when you test from a 36cm distance. The thermometer will show the average temperature of the target spot area within the 3cm diameter.



EMISSIVITY

Most organic materials, painted or oxidized surfaces have an emissivity of 0.95 (pre-set in the unit). Inaccurate readings will result from measuring shiny or polished metal surfaces (for example, stainless steel or aluminum). For better accuracy, cover the surface to be measured with masking tape or flat black paint. Measure the tape or painted surface when the tape or paint reaches the same temperature as the material underneath.

Note: Thermometers can not test the temperature of target objects through glass, steam, dust, or smog. The accuracy of testing will be lower.

MATERIAL	FEATURE	EMISSIVITY
Aluminum	oxidized	0.20-0.40
	polished	0.20-0.40
Asbestos		0.95
Asphalt		0.95
Brass	oxidized	0.40-0.80
	polished	0.02-0.05
Brick		0.90-0.96
Carbon		0.85
Carbon Cement		0.90
Ceramics		0.95
Charcoal	powdered	0.96
Clay		0.92-0.96
Concrete		0.95
Frozen Food		0.95
Glass		0.85-0.92
Gold		0.01-0.10
Graphite	oxidized	0.20-0.60
Gravel	tableware	0.95
Heated Food		0.95
Human Skin		0.98
Ice		0.96-0.98
Iron	oxidized	0.60-0.90
Lacquerwork	lackluster	0.97
Lead	oxidized	0.50
Limestone		0.98
Marble		0.94
Mortar		0.89-0.91
Oil		0.94
Paint		0.93
Paper	with color	0.95
Plaster		0.80-0.90
Plastic	transparent >0.5mm	0.95
Plastic		0.95
Plastic Cement		0.85-0.95
Rock		0.70
Rubber		0.95
Sand		0.90
Snow		0.83-0.90
Soap Bubbles		0.75-0.80
Soil		0.90-0.98
Steel	oxidized	0.70-0.90
Steel and Iron		0.80
Textile	all kinds	0.90
Textile		0.95
Water		0.93
Wood		0.90-0.95
Wool	natural	0.94

UNIT FEATURES

DEVICE

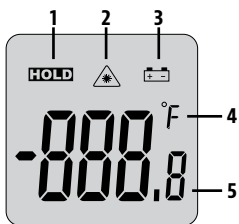
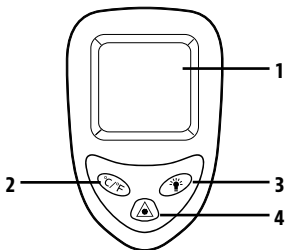
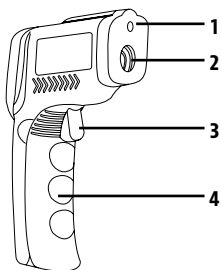
#	Description
1	Laser Hole
2	Infrared Sensor
3	Measurement Trigger
	<i>*Press and hold can measure temperature.</i>
4	Battery Compartment

CONTROL

#	Description
1	LCD
2	C°/F°
3	Backlight
	<i>*Press the button to turn backlight on/off.</i>
4	Laser
	<i>*Press the button to turn laser-targeting on/off.</i>

LCD DISPLAY

#	Description
1	Data Hold Icon
2	Laser Signal
3	Low Battery Symbol
4	C°/F° Symbol
5	Current Temperature



CAUTIONS

Follow these cleaning and maintenance tips to keep your Ultimate Griddle Infrared Thermometer working properly for years to come.

- Do not completely immerse the digital thermometer in water.
- Do not expose the unit to direct heat or heat surface.
- Do not drop the unit or subject it to sudden shock or impact, and do not disassemble the unit.
- Do not use solvent to clean the lens.
- Do not point the laser directly or indirectly (reflective surfaces) at eyes.


Infrared thermometer should be protected in the following:

- EMF (electro-magnetic fields) from arc welders, induction heaters.
- Thermal shock (caused by large or abrupt ambient temperature change, it allows 30 minutes for unit to stabilize before use.)

CARE & MAINTENANCE

COMPONENT PART	CLEAN FREQUENCY	CLEANING METHOD
Lens	As needed	Compressed air, soft brush, and damp cloth with soap and water.
Exterior of Unit	As needed	Wipe with a damp cloth.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Meat over/ under cooked	Infrared outlet is blocked by dust or oil	Follow the Care & Maintenance
Sensor failure	Outside the normal temperature range	Restart the unit.
 Icon	Batteries depleted	Replace with new batteries.

WARRANTY

All accessories by Pit Boss® Grills, manufactured by Dansons, carry a one (1) year warranty from the date of sale by the original owner. The warranty coverage begins on the original date of purchase and proof of date of purchase, or copy of original bill of sale, is required to validate the warranty. Customers will be subject to parts, shipping, and handling fees if unable to provide proof of the purchase or after the warranty has expired. Dansons warrants that all part(s) are free of defects in material and workmanship, for the length of use and ownership of the original purchaser. This warranty will not apply nor will Dansons assume responsibility if your product has not been operated, cleaned and maintained in strict accordance with this owner's manual.

CUSTOMER CARE

If you have any questions or problems, contact Customer Care. To order replacement parts, please contact your local Pit Boss® Grills dealer or visit our online store.

www.pitboss-grills.com

