



THE TIME & TEMPERATURE COMPANY®

Model: TCG400

Candy & Deep Fry Ruler Thermometer

100 to 400°F/40 to 200°C

Perfect For

- Candy, jelly and deep-frying

Easy To Use

- Dishwasher safe
- Color-coded 8"/20.3 cm scale
- Target range indication
- Temperature guide
- Plastic handle stays cool

Features

- Waterproof
- Durable laboratory glass
- Stainless steel housing
- Non-mercuric column
- 2-way mounting: hang/stainless steel clip

Versatile. Precise. Delicious!

The TCG400 is designed to help you make superior candy, jelly and deep-fried foods. The body and attachment clip are made of stainless steel for safety and durability. The bottom of the glass column is also enclosed in stainless steel to prevent it from touching hot surfaces that might cause inaccurate readings.

Candy

Candy making requires precise temperature control for best results. Unlike water, syrup temperature does not increase in a smooth manner when it is heated — syrup “pauses” at a certain temperature. Because of this, it is important to observe the temperature at all times when heating candy syrup.

Deep Fry Tips

- Make sure that the oil is at the correct temperature before adding food.
CAUTION: Add food carefully to avoid splattering the hot oil.
- Use enough oil. When food is added, it lowers the temperature of the oil. Small quantities of oil will cool at a faster rate than larger quantities. Frying at lower temperatures results in lighter color, less flavor development and increased oil absorption.
- Add food at room temperature, if possible. Cold food lowers oil temperature more than food at room temperature.
- When cooking in batches, allow the oil to return to the correct temperature before adding more food.
- At high elevations, water boils at lower temperatures than at sea level (212°F/100°C). To compensate, note the temperature at which water boils and subtract that amount from the recipe temperature. For example, if water boils at 206°F/97°C, subtract 6°F/3°C from the desired temperature.

Note: Clean the thermometer before each use. The red liquid in the thermometer is food-safe oil.



It's Safe to Bite When the Temperature's Right!™

CANDY TEMPERATURE GUIDE

Jelly 220°F 104°C
 Thread 230-234°F . . . 110-112°C
 Soft Ball 234-240°F . . . 112-115°C
 Firm Ball 244-248°F . . . 118-120°C
 Hard Ball 250-266°F . . . 121-130°C
 Soft Crack 270-290°F . . . 132-143°C
 Hard Crack 300-310°F . . . 149-154°C
 Caramelize 316-338°F . . . 158-170°C

HIGH ALTITUDE ADJUSTMENT FOR CANDY-MAKING

STAGE	2,000 feet	5,000 feet	7,500 feet
Soft Ball	230-236°F	224-230°F	219-225°F
Firm Ball	238-244°F	232-238°F	227-233°F
Hard Ball	246-264°F	240-258°F	235-253°F
Soft Crack	266-286°F	260-286°F	255-275°F
Hard Crack	296-306°F	290-300°F	285-295°F

OIL TEMPERATURE GUIDE

325-375°F/163-190°C is the normal desired temperature for deep fry cooking.

Note: When food is added to hot oil, the temperature of the oil immediately drops at least 50°F/28°C. You will need to bring the oil temperature back to the desired cooking temperature. Frying at lower temperatures results in lighter color, less flavor development and increased oil absorption.

DEEP FRY TEMPERATURE GUIDE

Deep Fry Lo . . . 325-340°F . . . 163-170°C
 Deep Fry Hi. . . . 340-365°F . . . 170-185°C
 Shrimp 350°F 177°C
 Chicken 355°F 180°C
 Onions 370°F 188°C
 Fish 375°F 191°C
 Doughnuts/Fritters . 375°F 191°C
 French Fries 380°F 193°C

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5-Year Limited Warranty: Any instrument that proves to be defective in material or workmanship within five years of original purchase will be repaired or replaced without charge upon receipt of the unit prepaid at: CDN, PO Box 10947, Portland, OR 97296-0947. This warranty does not cover damage in shipment or failure caused by tampering, obvious carelessness or abuse.



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