



# Oven Time-Temperature Recording Thermometer



Made In U.S.A.



Model 618  
Time-Temperature  
Oven Recording Thermometer

- Comes with 10 Recording Charts
- Temperature Ranges From 70°F to 500°F (20°C to 260°C)
- NIST Certification Available
- Accuracy of ±3% of Full Scale
- Inkless Scriber -- No Messy Ink

The Model 618 accurately and reliably records air temperature versus time during 1 or 24 hour time spans. These portable, self-contained units feature a bimetallic sensing element and will record temperatures up to 500°F. This instrument is ideally suited for measuring temperatures in paint ovens, curing ovens, continuous belt ovens, or any application that requires a time based temperature reading. The charts are pressure sensitive and do not require ink markers which require refilling or replacement.

Fahrenheit Ranges	Time	Model No.
70°F to 300°F	1-hour	618.01FH
	24-hour	618.24FH
70°F to 400°F	1-hour	618.01FJ
	24-hour	618.24FJ
50°F to 350°F	1-hour	618.01FD
70°F to 500°F	1-hour	618.01FK
	24-hour	618.24FK
20°C to 150°C	1-hour	618.01CH
	24-hour	618.24CH
20°C to 205°C	1-hour	618.01CJ
	24-hour	618.24CJ
20°C to 260°C	1-hour	618.01CK
	24-hour	618.24CK

## SPECIFICATIONS

1. Accuracy.....±3% of full scale range.
2. Dimensions:
  - Diameter..... 3-15/16" (10 cm).
  - Height..... 3-1/4" (8.3 cm).
3. Chart Diameter..... 3-5/8" (9.2 cm).
4. Weight..... 14 oz. (0.4 kg).
5. Shipping weight..... 3 lb. (1.4 kg).
6. Finish..... Anodized aluminum.

Note: The Model 618 comes complete with an initial supply of ten (10) recording charts.

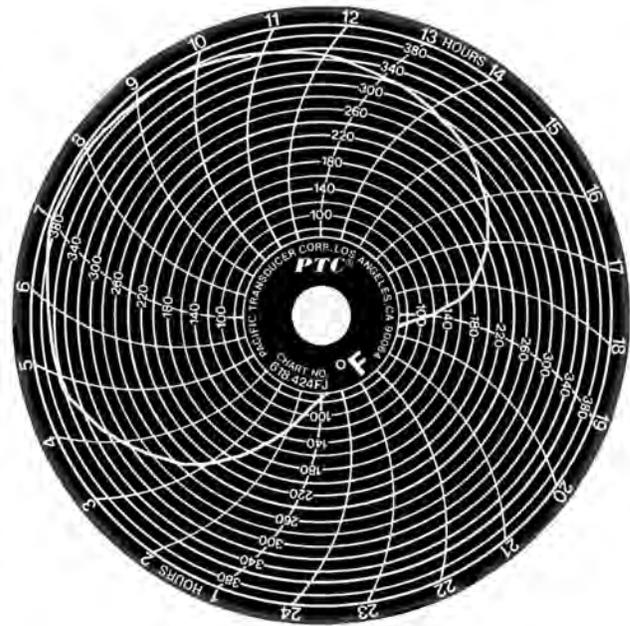
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Available Charts for the Model 618.  
Charts are sold in packs of ten (10)

Chart No.	Temperature & Time	
618.401CH	20°C to 150°C	1 Hr
618.424CH	20°C to 150°C	24 Hr
618.401CJ	20°C to 205°C	1 Hr
618.424CJ	20°C to 205°C	24 Hr
618.401CK	20°C to 260°C	1 Hr
618.424CK	20°C to 260°C	24 Hr
618.424FD	50°F to 350°F	24 Hr
618.401FH	70°F to 300°F	1 Hr
618.424FH	70°F to 300°F	24 Hr
618.401FJ	70°F to 400°F	1 Hr
618.424FJ	70°F to 400°F	24 Hr
618.401FK	70°F to 500°F	1 Hr
618.424FK	70°F to 500°F	24 Hr



Typical temperature record of a heating cycle for an industrial oven

To preserve a trace, a 4" wide strip of clear tape can be placed across the top of the smoke chart after the temperature run is completed. After applying the tape, trim around the outside edge of the chart. This will prevent the time-temperature reading from smudging.

### Other PTC® Temperature Recorders

#### Time Trak

Time-Temperature chart recorder with ranges from -40°F to +220°F (-40°C to +105°C).



#### Data Logger

Digitally record time, temperature, humidity, pressure. Compact size only 0.6" x 1.4" x 2.15".



#### Temp Plate®

Temperature recording decals with ranges from 100°F to 490°F. Size: 3/4" x 1.75".



#### Model 581 Max-Min

Chart recorder tracks lowest through highest temperatures reached. Range -50°F to +250°F



## CAUTION

Do not allow the instrument to exceed its maximum range of 500°F (260°C). Each unit is factory tested and calibrated several times—up to and including the high end. Because of the extreme temperatures this instrument encounters, the clock mechanism's warranty is 6 months. A Temp-Plate® recording decal is attached to the instrument to monitor the recorder for exposure to overheating.

If the chart drive mechanism ceases to move the chart, check to see if heat has loosened the chart nut. However, when replacing a chart, the chart nut should not be over tightened—it should be "just snug".



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