

API GRAVITY AND DENSITY CALCULATORS

API GRAVITY CALCULATOR GTP-3012-1A

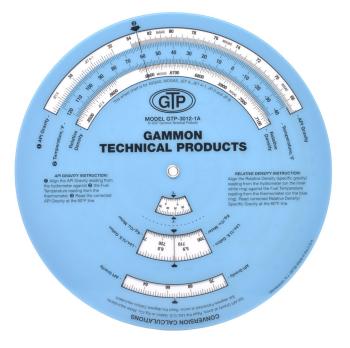
Corrects API hydrometer readings at any temperature (°F) to API degrees at 60°F.

Corrects relative density hydrometer readings at any temperature (°F) to relative density at $60^{\circ}F$

Converts API gravity to relative density*

Converts API gravity to metric density (kg/m³)

Converts API gravity to weight (lbs/gal)





DENSITY CALCULATOR GTP-2727EF

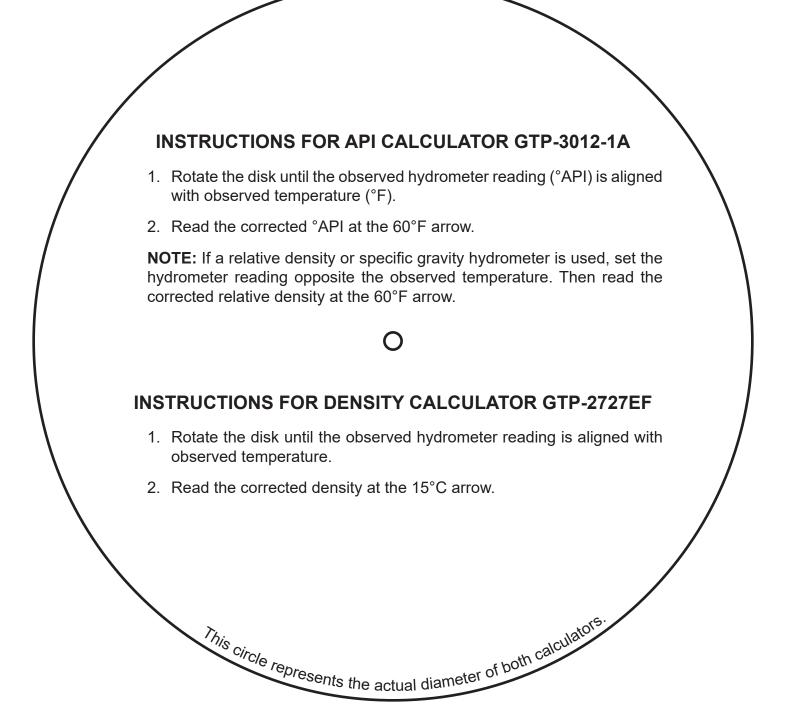
Converts density readings taken with a hydrometer to corrected density at 15°C

Separate scales for 3 different types of fuel:

- Kerosene (Jet A, Jet A-1, JP 5, JP 8)
- Wide Cut (JP 4, Jet B)
- Avgas

Scales read in kg/m³

* "Relative density" is now the accepted term for "specific gravity."



NOTE ON GTP-3012-1A

Results obtained with this calculator in the API gravity range from 48 to 51 (or a correction that goes through this range) cannot be compared to the printed tables because we have avoided error created by this transition zone (see Volume X of Petroleum Measurement Tables (D1250-80/IP200), pages X-73 to X-79). For jet fuels, we extended the curve upward using the original equation without entering the transition zone. For avgas, we extended the gasoline curve downward in the same manner. From a technical standpoint, our scales will yield more accurate results than the printed tables.

NOTE ON GTP-2727EF

Results obtained with this calculator in the density range from 770 to 784 kg/m³ (or a correction that goes through this range) cannot be compared to the printed tables because we have avoided error created by this transition zone (see Volume X of Petroleum Measurement Tables (D1250-80/IP200), pages X-73 to X-79). For jet fuels, we extended the curve upward using the original equation without entering the transition zone. For avgas, we extended the gasoline curve downward in the same manner. From a technical standpoint, our scales will yield more accurate results than the printed tables.