

TEST BATHS for SPECIFIC GRAVITY, API GRAVITY of PETROLEUM PRODUCTS

- Conform to ASTM D70, D287, D1298, D2111 Specific and API Gravity
- Operating Temperature Ambient to 150°C
- Temperature Stability of $\pm 0.1^\circ\text{C}$
- Digital Indicating PID Temperature Controller
- Liquid Bath or Heated Tube Bath

Model 177-12 is a 17 inches deep, insulated, stainless steel, agitated liquid bath with capacity to accept 12 specific gravity test tubes (2 inch diameter by 16 inches long). The temperature range is ambient to 150°C. The temperature stability of $\pm 0.1^\circ\text{C}$ is provided by a digital indicating controller with a resolution of 0.1°C.

As safety measure the bath is protected against overheating by secondary controller in the event of primary controller failure.

The bath is equipped with an adjustable water overflow pipe to maintain the correct bath level when the hydrometer cylinders are immersed.

Model 177-6 is similar to Model 177-12 but large enough for only 6 test positions.

Model 177-4D is an open glass jar bath, 18 inches deep able to accept 4 specific gravity test tubes. It has a digital display controller with 0.1°C resolution. Operating temperature range is ambient to 100°C. If operating above 60°C an optional protective clear plastic tube is recommended as protection to the operator.

The cabinet dimensions are 31 x 16 x 21 inches high (79 x 41 x 53 cm). Shipping weight is 200 lbs, 27 cu.ft.

Model 177-4A is identical to Model 177-4D but uses an analog controller. Operating temperature range is ambient to 95°C. If operating above 60°C an optional protective clear plastic tube is recommended as protection to the operator.



▲ Model 177-4D

Also for Methods:

ASTM	D70, D287, D1298, D2111, D6822
IP	160, 189, 190
ISO	3838
DIN	12 791, 51 757, 52 004



▲ Model 28-1

Model 28-1 is a single position, stainless steel heated tube not requiring a glass hydrometer cylinder. The sample is poured directly into the stainless steel tube until the sample overflows the tube. Provisions are made for the overflow to be drained to waste. The hydrometer level is easily read at the sample's meniscus.

After measurement the drain valve is opened and the sample is discarded to a waste container or sink.

Model 28-1 has a temperature range of ambient to 150°C. The digital display controller with a resolution of 0.1°C provides temperature stability of $\pm 0.1^\circ\text{C}$.

Model 28-2 is the same as Model 28-1, but with two heated tube, each independently controlled with its own digital controller. The heated tubes temperature can differ by up to 40°C.