

HYDROMETER EXPERIMENT

MEASURING RELATIVE DENSITY WITH HYDROMETER

The purpose of the experiment: Measuring the relative density of different liquids

Experimental Procedure:

- The hydrometer consists of a tube with a gauge. It indicates the relative density of the liquid when placed in a cylindrical tube.
- Fill a cylindrical container with liquid and drop the hydrometer into it.
- Make sure the hydrometer is in a vertical position.
- The relative density is found by reading the water level in the cylindrical tube from the scale on the hydrometer.
- Repeat this experiment using water, salt water, and other liquids if possible.

QUESTION: *Explain scientifically how the hydrometer can find the relative density.*

