



Accurately Weighing Africa



# PULP DENSITY

Specific Gravity Scale



Sasco is a dynamic weighing solutions focused company which procures and supports a leading range of globally sourced industrial weighing technologies. Sasco has the highest metrological ranking of any Southern and Central African company, and as a result of our experience gained through 100 years of operation, we are uniquely positioned to specify and supply optimal weighing equipment, automation and weighing information data solutions to Southern and Central Africa's leading industrial companies. Sasco reputation has been built on innovation and choice underpinned by professionalism, modernity and experience.

## GENERAL

The Pulp Density Scale correlates the specific gravity of the ore with the percentage solids of the pulp. This information is displayed on a circular scale for several specific gravities by use of a simple weigh scale. The simplicity of the scale along with its many applications have made the Pulp Density Scale a common feature at concentrators throughout the world.

The scale can be used for fast, accurate percentage solids determinations at various points throughout a concentrator, enabling adjustments to be made to keep, for example, a grinding circuit running effectively.

The Direct Reading Pulp Density and Specific Gravity Scale speeds up the determination of pulp densities; specific gravities of pulps or liquids; specific gravity of dry solids. It eliminates errors in reading charts or graphs and prevents errors in calculations. Provides greater accuracy and has a wide specific gravity range.

# APPLICATIONS

- Weight of sample in grams or kilograms
- Specific gravity of liquid or pulp
- Percent solids contained in the pulp of any given specific gravity
- Specific gravity of dry solids

# SPECIFICATIONS

- Complete with scale and 12 Interchangeable dial faces
- 254 mm Outside diameter of scale
- Shipping weight: ± 4.5kg
- Shipping dimensions: ± 310mm x 320mm x 100 mm
- Stainless Steel, Aluminium & Polyurethane Flasks available

# FEATURES

- Greater Sensitivity: Circular dial is equivalent to a 47” beam balance for greater sensitivity.
- Solid Construction: Entire unit is supported by a top ring. Scale is accurately set at the factory.
- Accuracy: Cylindrical containers with slotted overflow holes, permit accurate filling to exactly 1000cc.
- Ease of Operation: Samples do not have to be weighed separately; refer to tables or make calculations.
- Compatibility: Changeable dials make weighing applicable for any range of solids of light / heavy density.

# INTERCHANGEABLE DIAL FACES

Each scale includes 12 interchangeable dial faces with a specific gravity range of dry solids from 1.2 through 7.8.

A permanently attached # 1 dial on each scale has the following specific gravity range of dry solids:

#1 2.2 2.6 2.8 3.2 3.6 4.0 4.4

Interchangeable dial faces, furnished with each scale as follows:

|     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|
| #1  | 2.2 | 2.6 | 2.8 | 3.2 | 3.6 | 4.0 | 4.4 |
| #2  | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 |
| #3  | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 |
| #4  | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 |
| #5  | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 |
| #6  | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| #7  | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 |
| #8  | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 |
| #9  | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 |
| #10 | 4.6 | 4.8 | 5.0 | 5.2 | 5.4 | 5.6 | 5.8 |
| #11 | 5.6 | 5.8 | 6.0 | 6.2 | 6.4 | 6.6 | 6.8 |
| #12 | 6.6 | 6.8 | 7.0 | 7.2 | 7.4 | 7.6 | 7.8 |



# SMART SUPPORT

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