



-  Fast & accurate way to determine tapped density for capsule filling.
-  Eliminates calculation errors as volume is 1ml.
-  Most manufacturers do not provide tapped density or provide it using 100 or more taps, which does not correlate to capsule filler tapping.
-  Lightweight for use on analytical balances.

**Item Code: PXX-TDM**



1. Place empty Tap DensiMeter on balance and tare the balance.



2. Rotate the top disc, marked "ProFiller", so its cavity is aligned with the middle disc's cavity.



3. Fill the cavity with powder you wish to analyze.

4. Gently tap the DensiMeter 10-15 taps or as many taps as you normally tap your capsule filler.



5. Rotate the top disc 90° clockwise to close cavity in middle disk.



6. Turn over Tap DensiMeter and tap out any remaining powder in the top disc.



7. Weigh filled Tap DensiMeter. Your tapped density is the final weight. Example 0.47g means a tapped density of 0.47g/ml.

**For Balances That Cannot Be Tared: Sample Calculation**

Density = Mass / Volume

Mass = Final weight - Initial weight

Volume = 1ml

Tapped Density = (Final weight in Step 7 - Initial weight in Step 1) / 1ml

Example: Tapped Density = (48.12g-47.65g)/1ml = 0.47g/ml.

**cleaning instructions on reverse**



**Cleaning, Washing & Drying:**

**Cleaning:** Rotate the top disc so it's cavity is aligned with the middle disc's cavity and empty out any powder.

**Washing:** To separate the discs, hold the middle disc with the fingers of one hand. Use your remaining hand to pull the top disc away. Repeat to separate the bottom disc. A magnet holds the three discs together. Wash with water and dishwashing liquid. If using an automatic dishwasher, keep parts in the top rack.

**Drying:** Can be dried in a hot air oven up to 60°C for not more than 15 to 20 minutes

Made from acrylic. Do not expose to temperatures above 70°C or 160°F.

Instructions are also available at [www.profiller.com/tdm](http://www.profiller.com/tdm)



**Capsule Filling Equipment**



**ProFiller 1100**

Handheld Capsule Filler with Orienter in 100 holes. Easy to operate, up to 35% faster due to its patented design. Change parts for Sizes 000-5 and all el sizes. Output 2000-3200 capsules/hour. Order ProFill OE for DB Caps<sup>®</sup>.



**ProFiller 3600**

300-hole hand-held filler sizes 000-4 & all el sizes. Up to 4500-6900 capsules/hour. Fits under powder hoods or in glove-box isolators. Only 300-hole hand-held system you can upgrade to a bench-top.



**ProFiller 3700/3800**

300-hole Bench-top filler sizes 000-5, 00el-2el and DBcaps<sup>®</sup>. Up to 6000 - 9000 capsules/hour. Optional vibrator & European style Orienter.

**Other Equipment**



**ProCoater**

Enteric / Film Coat Capsule & Caplets. Enteric coat for lower intestine drug release. Film coat for taste masking or appearance.



**ProMixer™ (V-Blender)**

For blending up to 475 ml (1 US Pint) of powder. Perfect size for a batch of 300 capsules. "V" shell design for uniform mixing. V-Shell is in Inox (SS316) for smoother powder flow & easy cleaning.



**ProFunnel**

Filling funnel for precision capsule filling on a balance. Includes Tamper. Made from Inox (316 stainless steel). Available in all capsule sizes including veterinary and el sizes.