水銀相對密度、濃度測試儀
Mercury Relative Density and Concentration Tester
KBD-600BM/1200BM

適用於：水銀回收廠、生產廠的水銀相對密度、濃度測試。

Suitable for: Mercury recycle, Mercury relative density and concentration testing of manufacturer.

原理：根據GB/T21862、ASTM D1475、ISO2811-2、DIN53217-3之規定，採用阿基米德的浸漬Gamma球體積置換法。

Principle:GB/T21862, ASTM D1475, ISO2811-2, DIN53217-3 standards; Immersed Gamma volume displacement method of Archimedean principle.

型　號 Model	KBD-600BM/1200BM
測　量　範　圍 Measuring range	0.01g~600g/1200g
密　度　精　度 Density precision	0.001g/cm3
測　試　種　類 Value showed	直接讀取水銀的比重、濃度 Can show mercury density and concentration directly

功能：

- 使用旋轉下降裝備可輕易將Gamma球浸入水銀液體中。
- 可任意調整Gamma球液面浸沫深度。可輕易取下Gamma球更換。
- 經醫學家證實水銀是有毒的液體，如吸入汞蒸氣，都可引起汞中毒。請為測試人員完善處理好排氣系統。
- 任何重量的Gamma球砝碼皆可為其標準值，不受體積的限制，操作方便。
- 水銀比重資料很依賴溫度，可配合恒溫水槽得更精確的資料。
- 能補償因空氣浮力所造成的誤差。
- 可經由所測溶液的比重值直接顯示溶液的濃度值。

Functions:

- By using this machine, the density and concentration of mercury can be showed directly.
- By using spinning falling equipment, the Gamma ball can be easily dipped into the mercury liquid.
- The liquid immersed depth can be adjusted freely, and the Gamma ball can be replaced easily.
- Mercury is poisonous liquid by medical scientists confirmed, if inhaled mercury vapor, it can cause mercury poisoning. Please supply good exhaust system for testers.
- Any weight of Gamma ball can be as the standard value, without the limit of volume, easy to operate.
- Mercury density data depends on the temperature, the machine can cooperate with the thermostatic water tank to get more precise data.
- Can compensate the deviation caused by air buoyancy.
- Can directly show the solution concentration value according to the specific gravity of measuring solution.

水銀的密度和溫度的關係表：

The relational table of mercury density and temperature:

T溫度(℃)	d密度(g/cm3)	T溫度(℃)	d密度(g/cm3)	T溫度(℃)	d密度(g/cm3)
0	13.628	100	13.385	250	13.026
20	13.579	150	13.264	315.5	12.847
50	13.506	200	13.145		