

## SVM Tapped Density Tester



The ERWEKA SVM has been designed for measuring the tapped volume and tapped density of powders, granules and similar products.

The ERWEKA SVM series is available with one or two glass cylinders and operates according to USP method 1 (300 strokes/min; stroke height 15 mm) or USP method 2 (250 strokes/min; stroke height 3 mm) which is equal to Pharm.Eur. and DIN ISO EN 787/11 requirements.

As a special version the SVM 223 operates the first test station according to USP method 1 and the second station according to USP method 2. The test run time is selectable.

### SVM-121 / 221

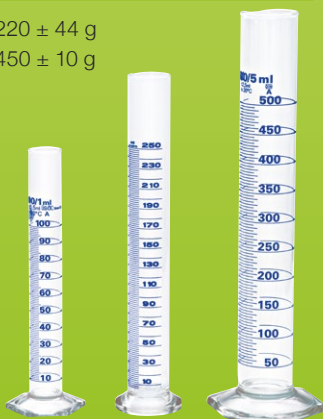
ERWEKA Tapped Density Testers are available with one (SVM 121) and two test stations (SVM 221) for measuring the tapped volume and tapped density of powders, granules and similar products. Test parameters can be set in either time (hours/minutes/seconds) or number of strokes.

### SVM-122 / 222

The SVM 122 (with one test station) and SVM 222 (with two test stations) operate according to USP method 2 and Pharm.Eur. and DIN ISO EN 787/11 standards in respect of strokes/min. and height of stroke.

#### SVM 121/221 Technical Details

Number of test stations	1 (SVM 121) or 2 (SVM 221) glass cylinders
Stroke height Strokes / min	14 mm ± 2 mm, 300 strokes/min. ± 15 according to USP method 1
Keypad	Membrane function keypad
Display	Two illuminated LED displays
Pre-selection of test run parameters	Time: 1 sec. to 9 hrs, 59 sec. Revolutions: 1 to 99.999
100 ml measuring cylinder Support plate	130 ± 16 g 240 ± 12 g
250 ml measuring cylinder Support plate	220 ± 44 g 450 ± 10 g



#### SVM 122/222 Technical Details

Number of test stations	1 (SVM 122) or 2 (SVM 222) glass cylinders
Stroke height Strokes / min	3.0 mm ± 0.2mm, 250 strokes/min ± 15. according to USP method 2, EP and DIN ISO EN 787/11
Keypad	Membrane function keypad
Display	Two illuminated LED displays
Pre-selection of test run time	Time: 1 sec. to 9 hrs., 59min., 59 sec. Revolutions: 1 to 99.999
100 ml measuring cylinder Support plate	130 ± 16 g 240 ± 12 g
250 ml measuring cylinder Support plate	220 ± 44 g 450 ± 10 g



# SVM 223

## SVM 223

ERWEKA Tapped Density Testers SVM 223 combines two different methods in one single unit. The first test station operates according to the USP method 1. The second test station operates at the same time according to the USP method 2/EP/DIN ISO EN 787, part 11.

### SVM 223 Technical Details

Number of test stations	2, one for USP Method 1 and one for USP Method 2 (Pharm. Eur.)
Stroke height Strokes / min	14 mm $\pm$ 2 mm, 300 strokes/ min. $\pm$ 15 according to USP method 1 3.0 mm $\pm$ 0.2mm, 250 strokes/ min. $\pm$ 15 according to USP method 2, EP and DIN ISO EN 787/11
Keypad	Membrane function keypad
Display	Two LED displays
Pre-selection of test-run parameters	Time: 1 sec. to 9 hrs., 59min., 59 sec.
100 ml measuring cylinder Support plate	130 $\pm$ 16 g 240 $\pm$ 12 g
250 ml measuring cylinder Support plate	220 $\pm$ 44 g 450 $\pm$ 10 g

## Options

Glass cylinders, 100ml / 250ml / 500ml

Qualification tool kit

IQ/OQ documents for SVM



All ERWEKA glass cylinders with adapter kit according to USP or EP.