Powders: Tapped Density Testers

A high reliability solution for routine measurement of the tapped density of powders, granules and similar products, the Copley JVi testers are the only single tapped density systems on the market that offer all three methods specified in Eur. Ph. and USP.

Available with either one or two test stations, the JVi tapped density series provides detailed reports, including Hausner ratio calculations for a wide range of industrial standards.



Ph. Eur. and USP Compliant



Adjustable stroke frequency control for accelerated or high sensitivity testing



Intuitive touchscreen control to simplify operation



One to two test station unit configurations



Supports Methods 1, 2 and 3



Extensive data reporting output options



Integrated calculation of bulk density, tapped density, Hausner ratio and compressibility index



Option to automate and remotely control JVi systems





JVi Series: Key Features





JVi Series: Touchscreen User Interface













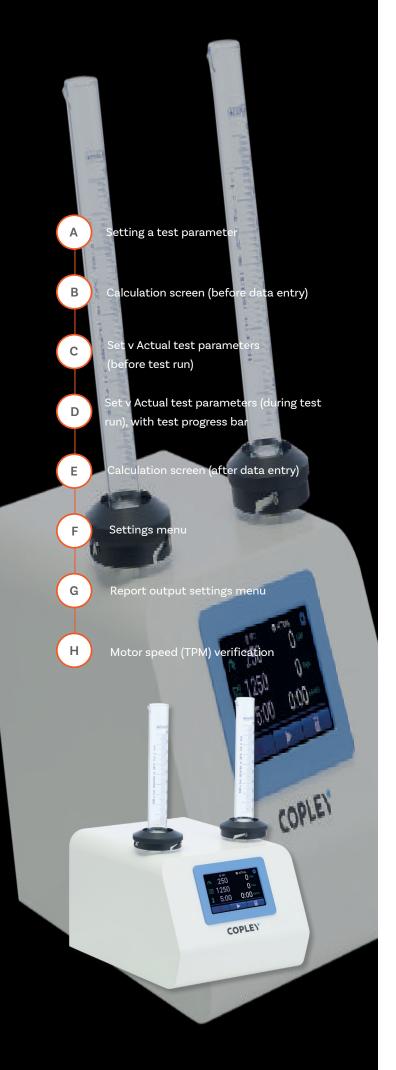




Key Features:

- Intuitive menu structure enables users to locate features quickly and easily
- Easy-set user-configurable test parameters:
 - Test speed
 - Number of taps
 - Test duration
- Status of 'Actual' v 'Set' test parameters clearly displayed throughout testing
- Test progress bar provides clear and constant indication on run status

- Resistive touchscreen interface can be operated with gloves on
- Hygienic wipe-clean screen
- High productivity easy system set-up and operation minimises training burden
- · Calculation of:
 - **Bulk Density**
 - Tapped Density
 - Hausner Ratio
 - Compressibility Index



Reporting

Extensive data output options are available as standard, including direct reporting to a printer or PC.

Reported parameters

· Speed (taps per minute)

Set

Average

Maximum

Minimum

Number of taps

Set

Actual

Calculations

Start weight/volume (g/mL) End weight/volume (g/mL) Bulk Density (g/mL)

Tapped Density (g/mL)

Hausner Ratio

Compressibility Index (%)







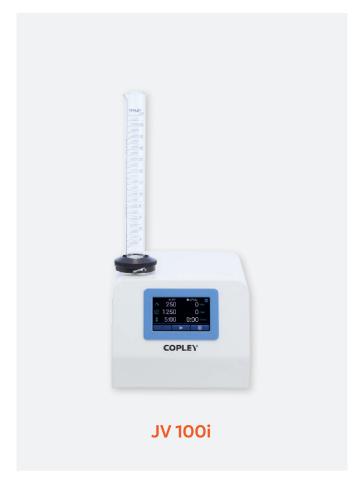


Compliance & Maintenance



- ✓ Certificate of compliance to Ph. Eur./USP provided as standard
- ✓ Comprehensive IQ/OQ/PQ documentation packages and toolkits available

Choose your JVi Tapped Density System



Cat Number

1631

Test Station Capacity

1 Cylinder

Eur. Ph and USP Test Methods Supported

1, 2, 3

Unit Dimensions (w x d x h)

260 x 347 x 562 mm (with 250 mL cylinder)



Cat Number

1632

Test Station Capacity

2 Cylinders

Eur. Ph and USP Test Methods Supported

1*, 2, 3

* Only one station available for this method

Unit Dimensions (w x d x h)

260 x 347 x 562 mm (with 250 mL cylinders)





Acoustic Cabinet reduces the noise level produced by the JVi series unit



JV 200i with Method 3 platform

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JVi Series:	Techr	ncal S	necit	ucati	ions
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Pharmacopoeial Compliance	Ph. Eur. 2.9.34 USP <616>
User Interface	Resistive touchscreen
Test Duration Parameters	Time or Taps
Testing Run Time	Up to 99 hours, 59 minutes, 59 seconds
Test Station Capacity	Up to 2 stations (1 left, 1 right)
Data Output	RS 232 USB Type A (for a USB printer) USB Type B (for communications with a PC)
Methods Supported Details	Method 1: 14 mm @ 300 taps/min Method 2: 3 mm @ 250 taps/min Method 3: 3 mm, 14 mm - 50/60 taps/minute
Alarm	End of testing (audible)

JVi Series

analítica.

Cat. No.	Description	Cat. No.	Description
1631-1	Tapped Density Tester JV 100i - Method 1, 250 mL Cylinder	1604	250 mL Measuring Cylinder (spare)
1631-2	Tapped Density Tester JV 100i - Method 2, 250 mL Cylinder	1605	100 mL Measuring Cylinder (option)
1631-3	Tapped Density Tester JV 100i - Method 3 - 3mm Drop	1635	Tapped Density Method 3 Cup
1631-4	Tapped Density Tester JV 100i - Method 3 - 14mm Drop	1643	Platform for use with 250 mL Cylinder - Method 1
1632-2	Tapped Density Tester JV 200i - Method 2, 250 mL Cylinders	1644	Platform for use with 250 mL Cylinder - Method 2
1632-3	Tapped Density Tester JV 200i - Method 3 - 3mm Drop	1641	Platform for use with 100 mL Cylinder - Method 1
1632-4	Tapped Density Tester JV 200i - Method 3 - 14mm Drop	1642	Platform for use with 100 mL Cylinder - Method 2
		1645	Platform for use with Cup - Method 3 - 3mm Drop
1603	IQ/OQ/PQ Documentation Pack	1646	Platform for use with Cup - Method 3 - 14mm Drop
1616	Qualification Tools		
1617	Re-calibration of Qualification Tools	1636	Acoustic Cabinet for JV100i / 200i
		1609	50 mL Measuring Cylinder Kit
		1610	25 mL Measuring Cylinder Kit
		1611	10 mL Measuring Cylinder Kit
		1612	5 mL Measuring Cylinder Kit