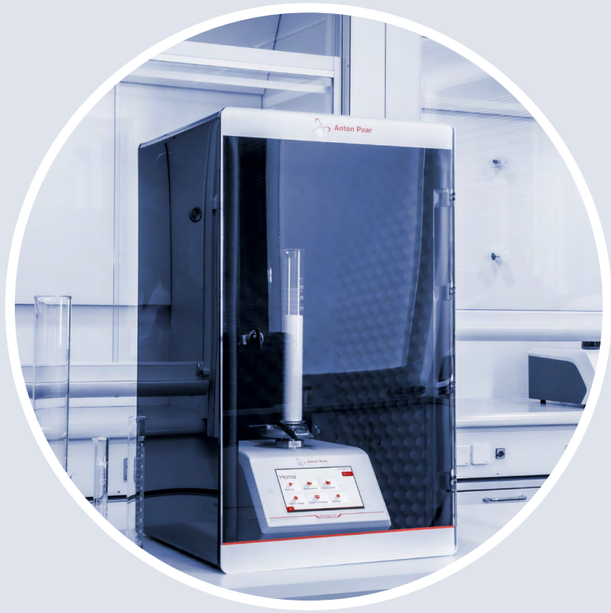
Anton Paar

Automated
Tapped Density Analyzers

Ultratap 500 Series

Ultratap 500:
Set It, Tap It, Trust It



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NOISE REDUCTION CABINET

FIND OUT MORE

www.anton-paar.com/ultratap

Durable – 25 million taps without loss of calibration
The Ultratap 500 series consistently delivers high-quality results you can depend on. The instruments guarantee up to 25 million taps without losing calibration, offering the greatest durability available on the market. To further ensure your confidence, our instruments come with a three-year warranty, assuring reliable performance for years to come.

Customizable methods
Automate your system and eliminate human error with methods and user management. Pick from one of the built-in methods compliant with various standards, or create your own custom methods.

The best operator experience on the market
Ultratap 500's integrated touchscreen provides instant access to all standard methods, along with the ability to create custom ones at your fingertips. Automatically generate reports with key parameters such as bulk density, tapped density, Carr's Index, and the Hausner Ratio, ensuring comprehensive and accurate data every time.

TruLock straps – securely attach all cylinders
Innovative TruLock straps simplify cylinder attachment and enable users to quickly and seamlessly switch between multiple cylinder sizes and vessels.

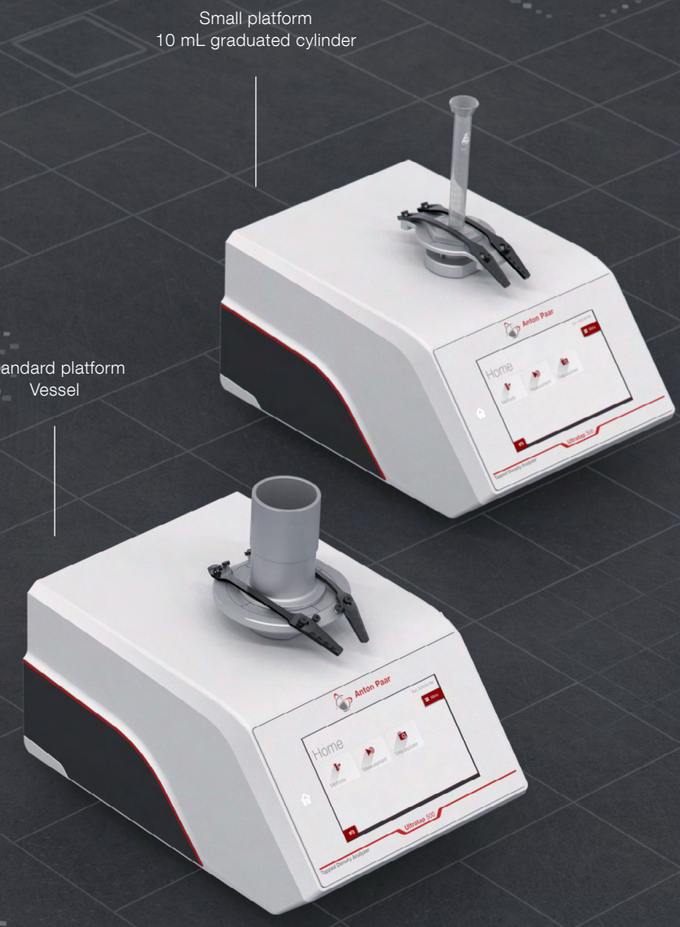
The quietest tap density analyzer on the market
Designed with maximal noise reduction in mind, Ultratap 500 instruments are 90 % quieter than comparable tap density testers on the market, eliminating the need for hearing protection.

Noise reduction cabinet
For an even quieter user experience, an optional noise reduction cabinet is available to dampen sound by 99 % compared to other solutions.

24 Methods,
One Solution

Encompassing all major tap density measurement methods (including USP 616 methods 1, 2, and 3), the Ultratap 500 instruments span the largest range of standards, across all industries, in a single instrument. 24 stored ASTM, ISO, and USP methods, integrated user management, and drop height detection ensure complete compliance while avoiding human error, making results more reliable.

- ✓ 24 built-in methods, including USP 616 methods 1, 2, and 3
- ✓ 3 mm or 14 mm free-fall drop height with automatic height detection
- ✓ User-selectable tapping rate of 50 min^{-1} to 350 min^{-1}
- ✓ Accommodates cylinders from 5 mL to 1,000 mL, or vessels



	Ultratap 500	Ultratap 500 Twin
	↓	↓
PERFORMANCE		
Stations	1	2
Cylinder sizes accommodated	250 mL standard 5, 10, 25, 50, 100, 250, 500, 1,000 mL[1)]	
Tap speed	User-configurable 50 to 350 taps/minute	
Drop height	3 mm (0.12 inch) ± 0.2 mm or 14 mm (0.55 inch) ± 1 mm	
Sound level	65 dB (58 dB with optional noise reduction cabinet)	68 dB (58 dB with optional noise reduction cabinet)
Tap mode	User configurable by time (1 second to 999 minutes) or number of taps (1 to 99,999)	
User interface	7-inch TFT WVGA (800 x 480 pixels); PCAP touchscreen	
User management	included (with password protection)	
USB ports	2	
Supported input devices	Barcode reader, keyboard, mouse, touchscreen	
Balance and printer connection	Yes (via USB port)	
Built-in calculations	Bulk density, Carr's compressibility index, Hausner ratio, tapped density	
Storage capacity	1,000 reports/100 methods	
Built-in methods	24	
PHYSICAL AND UTILITIES		
Dimensions	Height: 228.6 mm (9 inches) no cylinder/vessel, 188 mm (7.4 inches) to top of housing Width: 263.5 mm (10.4 inches) Depth: 361 mm (14.2 inches)	
Weight	14.5 kg (32 pounds)	17.6 kg (38.7 pounds)
ELECTRICAL		
Voltage-External AC/DC adapter	Input AC: 100-240 V, 1.3 A Frequency: 50 / 60 Hz	
Instrument input	24 VDC, 2.1 A, 51 W	24 VDC, 2.6 A, 63 W
Over-voltage category	I (for the instrument)	
Connection	Grounded, single-phase outlet	
ENVIRONMENTAL		
Temperature	15 °C - 40 °C (59 °F - 104 °F)	
Relative humidity	10%-80% RH non-condensing	

[1)] The 500 mL and 1,000 mL graduated cylinders require the large platform and corresponding TruLock straps (sold separately)

STANDARDS			
ASTM B527	Metallic powders	ISO 9161	Uranium dioxide powder
ASTM D4164	Formed catalysts	JIS K5101-12-2	Pigments
ASTM D4781	Fine catalysts	JIS Z 2512	Metallic powders
ASTM D7481	Powders	MPIF 46	Powders
IDF 134	Dried milk	USP 616 Method 1	Pharmaceutical powders
ISO 787-11	Pigments	USP 616 Method 2	Pharmaceutical powders
ISO 3953	Metallic powders	USP 616 Method 3	Pharmaceutical powders
ISO 8460	Instant coffee	JP 3.01 Part 2 Method 1	Pharmaceutical powders
ISO 8967	Instant coffee	Ph. Eur. 6.8 method 1	Pharmaceutical powders

Reliable.
Compliant.
Qualified.

Our well-trained and certified technicians are ready to keep your instrument running smoothly.

FIND OUT MORE

www.anton-paar.com/service

Maximum uptime

Warranty program

Short response times

A global service network

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