

# SERSTECH ARX+



## SERSTECH ARX+ FOR PHARMA

# Small enough to fit in your pocket – big enough to redefine Raman

Serstech Arx+ is a revolutionizing instrument, introducing SharpEye™ – a patented autofocus technology for handheld Raman instruments. Serstech Arx+ makes it easier to identify and verify substances.

Serstech Arx+ is packed with new features, simplifying the workflow when verifying substances at incoming inspection. Serstech introduces SharpEye™, a patented autofocus technology made for handheld Raman spectrometers. Serstech SharpEye automatically finds the optimal spot to measure. Together with new powerful algorithms, Serstech Arx+ finds precise results for single substances and for complex mixtures.

Serstech Arx+ comes with a built-in barcode reader which makes it possible to tie a measurement to a container by scanning barcodes or QR codes.

- Workflows
- Autofocus - SharpEye™
- Intuitive user interface
- Wi-Fi
- Title 21 CFR Part 11 compliant
- Updates of software and substance libraries included

The user interface is easy to navigate and features such as Guided Scan™ and Quick Scan™ guides you through the steps in your process and get you results faster. The most relevant information is clearly presented and more details are readily available. Serstech Arx+ is lighter and smaller compared to other models on the market and yet even more powerful. The device can be operated with one hand and all measurements are synched with ChemDash over Wi-Fi, in real time. Serstech Arx+ focuses on what is important.

- Barcode reader
- Quick Scan™
- No consumables, no maintenance cost
- Create libraries and add your own substances
- 5 year warranty



 **SERSTECH**  
Simplicity. Speed. Precision.



# SERSTECH ARX+



Instrument type	Handheld Raman spectrometer
Laser excitation wavelength	785nm
Barcode reader	Yes, QR and most common barcode formats
Laser output power	3 levels, max 300mW
Max spectral range	400 cm <sup>-1</sup> to 2 300 cm <sup>-1</sup>
Autofocus	Serstech SharpEye™ technology (0-4mm)
Spectral resolution	8-10 cm <sup>-1</sup>
Detector type	Linear CCD Array
Display	3.5" Transflective TFT with LED backlight
Memory	More than 100 000 measurements
Data formats	.txt, .csv, .jcamp
Connectivity	USB C, Wi-Fi
Battery	Rechargeable - more than 12 hours of typical use
Weight	590 g (1.3 lb)
Size	149 mm x 83 mm x 28 mm (5.9 x 3.3 x 1.1")
Operating temperature	-20°C to +50°C (-4°F to 122°F)
Storage temperature	-30°C to +50°C (-22°F to 122°F)
Included accessories	Vial holder, 90° angle adapter, watertight case, protective cap with calibration target, sample vials, USB C cable, AC Adapter 5 VDC/1 A USB for Charging
Optional accessories	SERS kit to identify low concentration and fluorescent samples
Start-up time	Less than 20 sec. in room temperature
Scan time	Most substances less than 10 sec
Exposure	Auto-exposure or manual exposure, 0.001 – 60 seconds
Optional libraries	Explosives, incl. precursors; Narcotics incl. cutting agents, masking agents & precursors; Chemical Warfare Agents, incl. simulants; Hazardous materials, incl. toxic industrial chemicals; Pharma-ceuticals with a wide range of active pharmaceutical ingredients. Total number of substances is more than 14 000
Warranty	5 year. Warranty extension options available
MTBF	50 000 h
Relative humidity	5-90%
Approvals	CE, IEC 60529 IP67, MIL-STD-810G 514.6 (vibration), MIL-STD-810G 516.6 (functional shock), Title 21 CFR Part 11 compliant (Instrument and ChemDash)
Supported languages	Chinese, Danish, English, French, Indonesian, Italian, Japanese, Korean, Polish, Russian, Spanish, Swedish and Vietnamese. Additional languages on request
Optional software	ChemDash Pro+
Type of substances	Solid, liquids, powders and tablets
Mixture analysis	Yes
Delay function	Yes, 1 second to 15 minutes
Additional features	User authorization, event logging, scan time delay, user-defined libraries, user-added substances, workflows



## Contact Us

To learn more about Serstech please visit [www.serstech.com](http://www.serstech.com) or contact [sales@serstech.com](mailto:sales@serstech.com)