

## SERSTECH ARX

### Get focused – stay focused

Serstech Arx is a revolutionizing instrument, introducing SharpEye™ – a patented autofocus technology for handheld Raman instruments. Serstech Arx will make it easier to identify unknown substances and to take decisions.

Serstech Arx and SharpEye™ identify substances precisely, thanks to automatically obtaining the optimal focus point in milliseconds. It can detect the difference between the container and the actual substance, giving an improved measurement result. The autofocus makes it possible to detect and minimize fluorescence from containers.

Serstech Arx is built on a modern software platform, putting usability and algorithms in focus. The brand new graphical user interface is easy to navigate and new features such as Guided Scan™ and the Quick Access™ feature make it possible to get precise results, faster.

The new algorithms are powerful when making fast and precise identifications, especially when it comes to complex mixes of substances. The results are presented in a simple way, making it possible for almost anyone to interpret and use when taking decisions.

Serstech Arx is lighter and smaller compared to previous Serstech models and yet - even more powerful. Serstech Arx lets the users get focused on what is important and take decisions based on reliable measurement results – wherever they are.



- Autofocus - SharpEye™
- New user interface
- Wi-Fi
- No consumables, no maintenance cost
- Create libraries and add your own substances
- Quick and easy

# Serstech Arx

|                             |  |
|-----------------------------|--|
| Instrument type             | Handheld Raman spectrometer  |
| Laser excitation wavelength | 785nm  |
| 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                      | 100 000 measurements (16 GB)   |
| Data formats                | .txt, .csv, .jcamp   |
| Connectivity                | USB C, Wi-Fi   |
| Battery                     | Rechargeable - more than 8 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 e.g. heroin and low concentration 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.  |
| Libraries provided          | Explosives, incl. precursors; Narcotics incl. cutting agents, masking agents & precursors; Chemical Warfare Agents, incl. simu-lants; Hazardous materials, incl. toxic industrial chemicals; Pharmaceuticals with a wide range of active pharmaceutical ingredients. Total number of substances is more than 14 000. |
| Warranty                    | 1 year. Additional warranty optional.  |
| 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, German, Indonesian, Italian, Japanese, Korean, Polish, Russian, Spanish, Swedish and Turkish.  |
| Software included           | ChemDash 2 Lite  |
| 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.   |



Contact Us



**ACXODUS ASIA**  
**18 Boon Lay Way #09-107/108 Tradehub 21 Singapore 609966**  
**Phone : +65 6291 1090 | Email : info@acxodus.com |**  
**www.acxodus.com**