

SERSTECH 100 INDICATOR+



SERSTECH 100 INDICATOR+ FOR PHARMA

Rapid verification made easy

The Serstech 100 Indicator and the ChemDash Pro+ application are designed to be easy and quick to use. The weight of only 650 grams and the small formfactor make the Serstech 100 Indicator+ truly handheld and its eight-hour battery life allows it to be used a full work-day without recharging.

The solution is Title 21 CFR part 11 compliant and detailed IQ/OQ/PQ documentation is available through your Serstech partner. With a complete audit trail and data integrity you can trust, Serstech's solution is your perfect companion for inventory management and raw material inspection.

Create and Share Your Own Substance Libraries

Serstech provides substance libraries that have been created and validated with the Serstech 100 Indicator, including pharmaceuticals, narcotics and many other types of chemicals. You can easily and quickly create your own libraries and share them with other instruments through Serstech's ChemDash Pro+ software. Spectra can be viewed, named and exported and you can easily create, print and share reports.

ChemDash Pro+ Software included

ChemDash Pharma allows you to manage your measurements and your custom-made libraries. It maintains a complete audit trail and allows you to set detailed user rights for users of each instrument. With ChemDash Pro+, you can connect several instruments to the same computer and share information between the instruments. Any libraries you create can easily and quickly be shared between instruments and any additional information you have added to each substance will be available to the users of the instruments.

The Most Cost-Effective Raman Solution

- No consumables, no maintenance cost
- Updates of software and substance libraries included
- Create libraries and add your own substances
- Title 21 CFR Part 11 compliant
- Training done in hours
- 5 year warranty



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Instrument type	Handheld Raman spectrometer
Laser excitation wavelength	785nm
Laser output power	3 levels, max 300mW
Max spectral range	400 cm ⁻¹ to 2 300 cm ⁻¹
Spectral resolution	8-10 cm ⁻¹
Detector type	Linear CCD Array
Display	3.5" Transflective TFT with LED backlight
Memory	More than 100 000 measurements
Data formats	Text; .txt, .csv, .jcamp
Connectivity	USB 2.0. Wi-Fi and Ethernet (optional)
Battery	Rechargeable - more than 8 hours of typical use. Can be extended with standard mobile power banks
Weight	650 g (1.4 lb)
Size	15.8 cm x 10.1 mm x 2.9 cm (6.2 x 4.0 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	Point-and-shoot adapter, vial holder, 90° angle adapter, watertight case, shoulder strap, USB cable, laser aperture cap with calibration target, sample vials, AC adapter 5 VDC/1 A USB for charging
Optional accessories	Connection kit with Ethernet and Wi-Fi. SERS kit to identify low concentration and fluorescent samples. Optional software: ChemDash Pro
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; Pharmaceuticals 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 (Instrument and ChemDash)
Supported languages	Chinese, Danish, English, French, Indonesian, Italian, Japanese, Korean, Polish, Russian, Spanish, Swedish and Vietnamese. Additional languages on request.
Software included	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



Contact Us

To learn more about Serstech please visit www.serstech.com or contact sales@serstech.com