



www.gemlab.ws

Tel. (604) 530-8569
Vancouver, B.C. V5K 5G6

P.O. Box 57010



The GL Gem Raman is available NOW

The GL Gem Raman is an ideal addition to the GL Gem Spectrometer which has over 100 users world-wide. The operation of the Raman unit is easy to learn.

The purchase price includes the GLGemRaman software and support materials on CD and USB stick with single user license.

The regular price for the OEM unit FOB Vancouver, Canada is under \$ 7,500 (for delivery allow 3 - 4 weeks); Commercial Invoice, B13A Export Declaration, NAFTA Certificate of Origin supplied; the GL Gem Raman has proper labeling for class 3B laser and safety features which will satisfy FDA or similar requirements.

The purchaser is responsible for importing the unit, payment of duties, taxes and brokerage fees.

For further information contact:

Gemlab Research & Technology

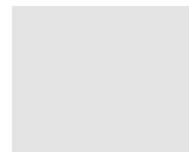
P.O. Box 57010, Vancouver, B.C. CANADA

Tel 1.604.530.8569

e-mail: gemlab@cigem.ca

website: www.gemlab.ws

TO:

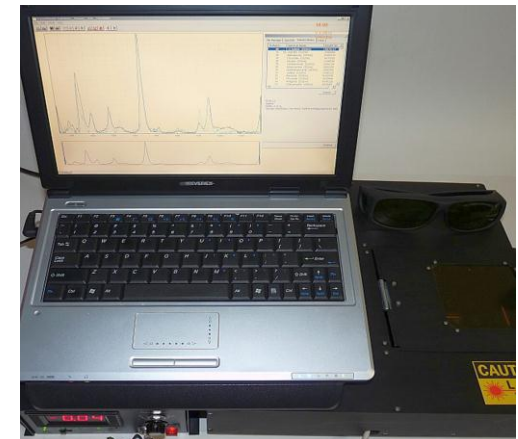


GL Gem Raman Advanced Spectrometer

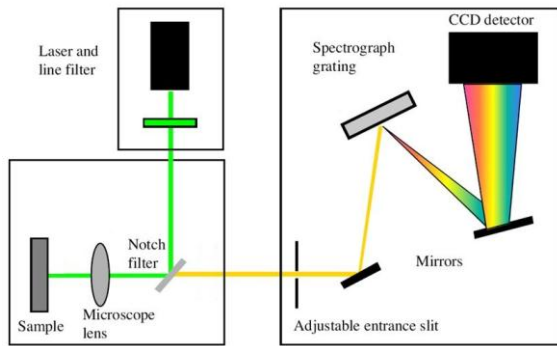
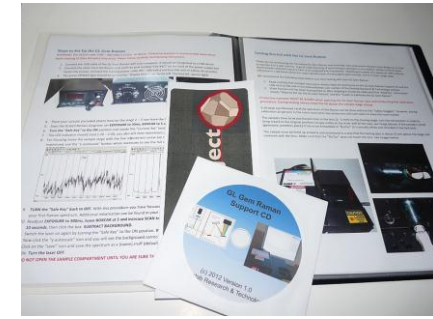
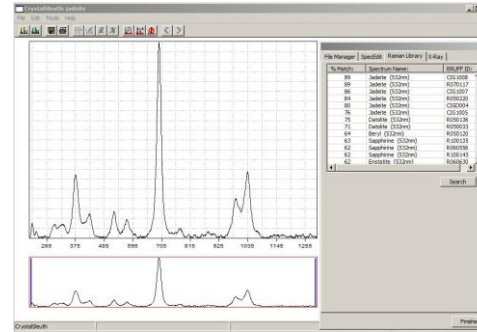
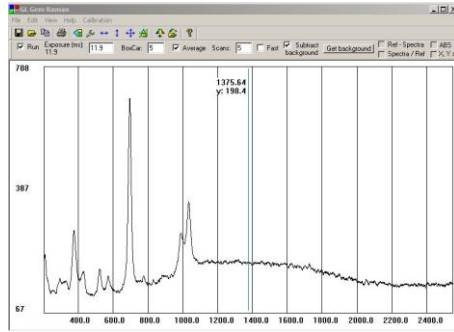
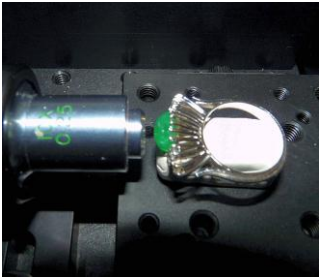
The GL Gem Raman™ is an advanced gem testing instrument for experienced gemmologists, gem dealers, mineral collectors and other users.

The GL Gem Raman quickly can tell the difference between diamond, cubic zirconia, glass and zircon, distinguish jadeite from omphacite and nephrite, separate real from faux pearls, tell whether it is ivory or plastic; it works great on beads, carvings and gem materials set in jewellery.

With improved laser and 3-point calibration feature



The GL Gem Raman can save considerable time in gem and mineral identification



The GLGemRaman software allows real-time spectral acquisition. The spectra can be saved and imported into a searchable database program with over 3,000 references; the database is linked to the large on-line mineralogical RRUFF database for Raman spectra.

The portable GL Gem Raman is an economical solution for advanced non-destructive gemstone and mineral identification; it can be used on rough and faceted gems even set in jewellery.

Support Material

The package comes with a support CD (including video) for proper operation of the GL Gem Raman; a trained gemmologist should be able to follow and execute the step-by-step instructions including the optimization procedure if necessary. **Testing procedures can be done without safety goggles; however, the user will assume complete liability as to any consequences if the unit is not operated in compliance with instructions provided.**

To achieve best signal strength high quality laser components (no metallic mirrors and fiber connections) are being used; maintenance is minimal.

Specifications

- Range: 200 – 2,600 cm⁻¹
- Resolution: ~ 3cm⁻¹
- Spot size: 10 – 15 micron at 10x magnification
- Sample stage adjustment with micrometer screw gauge horizontally
- Laser: confocal, 532nm regulated up to 300mW, Class 3B
- Fully secured system with sampling stage (90 x 90 x 50 mm)
- Size: 33 x 33 x 7.6 cm (13 x 13 x 3")
- Weight approximately 10 kg (22 lbs)
- Operational system: Windows XP/Vista/Windows 7 32/64 bit, Mac and Linux (in Windows emulation of virtual machine)
- Power supply: 110 – 240 Volts (for laser) and USB connection to computer.

