

# CRM100

## Raman Module



## Product Description

The CRM100 Raman spectrometer module utilizes a 785nm laser, offering high-performance capabilities for a range of applications. It provides core modules and development kits specifically designed for portable Raman spectrometer manufacturers. Featuring an integrated design and compact size, the CRM100 is ideal for the development and design of portable and handheld Raman spectrometers, delivering both versatility and ease of integration into various systems.

### Performance Parameters:

1. Spectral resolution:  $\leq 10.5 \text{ cm}^{-1}$
2. Spectral range:  $200\text{-}3200 \text{ cm}^{-1}$
3. Laser: Central wavelength  $785 \pm 0.5 \text{ nm}$
4. Integration time: 20mS-180S
5. Signal-to-noise ratio: 100:1 (when the cyclohexane peak height is greater than 60,000, the noise is less than 600)
6. Dimensions:  
 $134.7 \text{ mm} \times 85.27 \text{ mm} \times 21.55 \text{ mm}$
7. Interface: Standard DB25 gold-plated female connector

