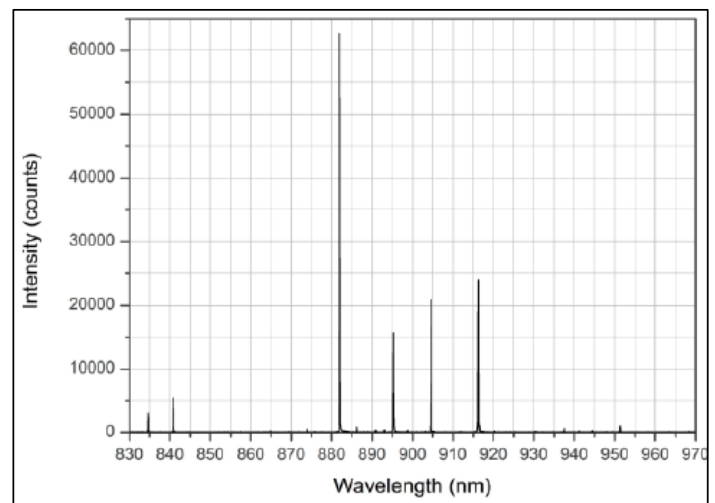


Merak™ Series

High Resolution, High Sensitivity Spectrometer
VCSEL, Laser Diode, 3D sensing

- Wavelength range: 830-970nm
- High spectral resolution: < 0.1nm
- Fully transmissive optical design with patented adjustment mechanism
- Fast exposure , high pixel-resolution CMOS sensor
- Customer-specific transmissive grating options available
- Contact OtO or your local distributor to discuss optimization for your application



(Xenon lamp resolution spectrum)

Wavelength	840nm	881nm	937nm
Resolution	0.076	0.088	0.079

Model Name	MR1080
Wavelength Range	830 nm ~ 970 nm
Slit	5µm
Resolution	< 0.1 nm
Sensor	4096 pixel CMOS
SNR	350
Dynamic Range	3700
Dark Noise	18
Exposure Time	100 µs ~ 24s ec
Dimension	230(L) x 170(W) x 60(H) mm
Fiber Input Interface	SMA905 or FC/PC
Data Transfer Interface	USB 2.0 / UART