### QE65 Pro科研及光谱仪

| 产品名称 | QE65 Pro科研及光谱仪           |
|------|--------------------------|
| 公司名称 | 长春海洋光电光学有限公司             |
| 价格   | 100.00/台                 |
| 规格参数 | 品牌:海洋<br>型号:齐全<br>光学分辨率: |
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## 产品详情

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qe65 pro scientific-grade spectrometer

the qe65 pro is our next-generation scientific-grade spectrometer with high sensitivity and low stray light make it ideal for a wide range of low light level applications such as fluorescence, dna sequencing and

the enhanced qe65 pro has an athermal design that promotes excellent spectrometer wavelength st functions for providing accurate timing and synchronization between the spectrometer and other device slit design for added convenience. an extensive range of gratings offers flexibility in optimizing a

robust optical bench

the qe65 pro is the result of feedback from customers like you who appreciate high performance at a reappreciate the flexibility of our modular approach to miniature spectroscopy, consider some of the enhance to the qe65 pro:

availability of new gratings, selected for their optimal wavelength range and stray light performance new optical bench components that more efficiently manipulate light for greater throughput and high sma 905 connector assembly with replaceable slit design for added convenience and excellent in

changes to the optical bench and its components that promote excellent spectrometer wavelength

### back-thinned detector

at the heart of the qe65 pro is a hamamatsu fft-ccd detector distinguished by its high quantum efficience and low etalon characteristics. unlike linear ccds, the 2d area detector in the qe65 pro allows us to bin row of pixels, which offers significant improvement in the signal-to-noise ratio (>1000:1) and signal processing detector.

what's more, the te-cooled (down to -15 °c) detector has low noise and low dark signal, which enable detection and long integration times -- from 8 milliseconds to 15 minutes, with virtually no spectroscopic darks.

#### ideal for raman

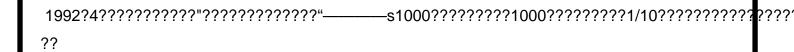
qe65 pro is a great choice for fluorescence and low light level applications and is particularly well suited spectroscopy. for raman, we offer a 900 mm-1 grating (#h36) that is blazed at 500 nm and has good reason and 785 nm laser illumination wavelengths typical of raman.

in this setup, the qe65 pro anchors a modular, probe-based raman system. you'll note a bifurcated optileg coupled to a 785 nm laser (in middle of photo) and the other to the spectrometer. cuvette-based rampossible.

### at a glance

| wavelength range:      | grating dependent                     |
|------------------------|---------------------------------------|
| optical resolution:    | ~0.14-7.7 nm (fwhm)                   |
| signal-to-noise ratio: | 1000:1 at full signal                 |
| a/d resolution:        | 16 bit                                |
| dark noise:            | 3 rms counts                          |
| dynamic range:         | 7.5 x 109 (system), 25000:1 for a sir |
| integration time:      | 8 ms - 15 minutes                     |
| stray light:           | ,0.08% at 600 nm; 0.4% at 4           |
| corrected linearity:   | >99%                                  |
| grating options:       | multiple grating options - uv through |
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