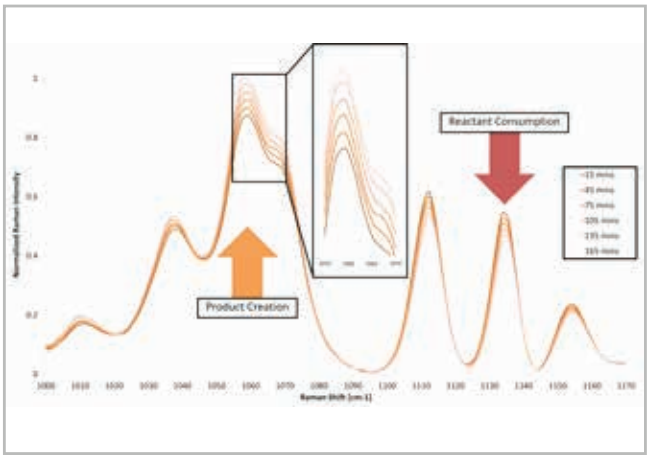
HyperFlux *P·R·O*
Spectrometer Platform

HyperFlux *P·R·O*: Process Raman Online

Tornado's HyperFlux P·R·O spectrometer configured for process measurements is the highest performing Raman process device on the market. The P·R·O is readily configured for process schemes with communication and analysis software that allows users to mine critical information to facilitate and improve process control. HTVS technology allows the best Raman analysis currently achievable anywhere.

TYPICAL RESULTS



The HyperFlux *P·R·O* offers customizable bandpass, resolution, and throughput

- 4 cm^{-1} spectral resolution with no slit
- Configurable for a variety of applications
- Stand-off and immersion probe optics
- No moving parts for superior stability

The HyperFlux *P·R·O* offers customizable bandpass, resolution, and throughput configuration delivering high-performance with versatility to meet your application requirements

SPECIFICATIONS:

	HyperFlux *P·R·O*
Laser	785 nm or 532 nm
Laser Power	785 nm up to 475 mW 532 nm up to 475 mW
Bandpass	Configurable to Measurement Requirements
Probes	immersion and non-contact
Unit size and weight	19 x 18 x 7 inches, 30 lb (48.3 x 45.7 x 17.8 cm, 13.6 kg)
Input power requirements	120/220V AC line power @ 15A
Temperature limits	+0 to +40 °C
Fiber Length	up to 3 meters standard; longer lengths can be fabricated upon request.
Number of Channels	8 (with serial multiplexer)
Computer and OS requirements	Windows 7 or 8.1, 2 GHz dual-core with 8 Gb RAM, 250 Gb HD, and USB2.0
Software	Process communications options and full chemometric capabilities

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