



Measurements you can trust

SuperFlux™

Raman Analyzer

FIT-FOR-PURPOSE RAMAN ANALYZER

Tornado's SuperFlux™ (SFx) lab-scale analyzer is the ideal Raman Analyzer for lab-scale applications and for those who require lower spectral resolutions. The SFx is built on the same platform as our most robust and powerful analyzers, with HTVS™ technology, for which Tornado analyzers are known for.



HIGHER RAMAN SENSITIVITY THAN EVER BEFORE POSSIBLE

Sensitivity, Speed and Safety

FEATURES & BENEFITS



COMPACT DESKTOP SIZE RAMAN ANALYZER



EMBEDDED CPU - NO EXTERNAL LAPTOP NEEDED



FIT-FOR-PURPOSE LAB-SCALE RAMAN ANALYZER



REAL-TIME NON-DESTRUCTIVE MONITORING AND ANALYSIS

OPC UA CLIENT FOR REMOTE CONTROL

EASY INSTALLATION AND OPERATION

HIGH THROUGHPUT VIRTUAL SLIT (HTVS™)

Tornado's proprietary HTVS™ design eliminates spectrometer slit losses while maintaining high spectral resolution. This allows for the best possible combination of signal strength and spectral resolution in a dispersive spectrometer and results in an order of magnitude improvement in sensitivity.



APPLICATIONS:

- ACADEMIC LABS
- AGRICULTURAL
- CELL CULTURE
- ENVIRONMENTAL
- FOOD
- POLYMERS



Technical Specifications

LASER 785 nm wavelength, Configurable power output from 5 to 495 mW

FIBER OPTIC INTERCONNECT LC Duplex (excitation/collection)
Fiber break detection
Dual interlock optional expansion

FIBER LENGTH 2 m standard - Different lengths available upon request

X-AXIS Spectral Range: 200-3300 cm^{-1}
Wavenumber Stability: $\pm 0.1 \text{ cm}^{-1}$

Y-AXIS Dynamic Range: 20,000 counts (pre-calibration)

COMMUNICATIONS LAN (Gigabit Ethernet)
OPC UA
Modbus TCP

STANDALONE PREDICTION SIMCA .usp
PEAXACT .pxm

USB EXPANSION ACCESSORIES HDMI (external display)
Triple USB (keyboard, mouse, or accessory)

ELECTRICAL 100 V to 240 V AC line power; 45 W

DIMENSIONS 15.8 x 11.3 x 5.4 in (40.1 x 28.8 x 13.6 cm)

WEIGHT 12 lbs (5.4kg)



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