

# Material Identification Solutions

## A Full Range of Field-Ready Handheld Raman Systems



### UNIQUE CAPABILITIES

- Fluorescence-rejection
- Orbital Raster Scan (ORS®)
- Standoff sampling from  $\leq 2$  m
- Robot & drone mounting
- Customizable libraries and operating procedures
- Actionable color-coded GHS data
- On-board camera

### SAMPLING FLEXIBILITY

- Immersion probes
- Direct contact attachments for a full range of focal distances
- See-through container capabilities
- Hands-free operation for stability in on-site conditions
- Cuvette and liquid vial holders

	MIRA XTR	TacticID-1064 ST	TacticID Mobile
Part Number	292600120	29530020	BWT-840001195
Laser Excitation	785 ± 0.5 nm	1064 ± 0.00001 nm	1064 ± 0.00001 nm
Laser Power	50 mW, adjustable	Maximum 495 mW, adjustable in 1% increments	220 mW, adjustable in 1% increments
Spectral Range	400 – 2300 cm <sup>-1</sup>	176 – 2500 cm <sup>-1</sup>	176 – 2500 cm <sup>-1</sup>
Spectral Resolution	8 – 10 cm <sup>-1</sup> (FWHM)	11 cm <sup>-1</sup>	11 cm <sup>-1</sup>
Display	3.7" resistive touch screen with GUI	5" high brightness and resolution touch screen; Glove compatible	5" high brightness and resolution touch screen; Glove compatible
Libraries	General & Illicit, Comprehensive, Explosives, CWA, Illicit SERS	General & Illicit, Comprehensive, Explosives, CWA	General & Illicit, Comprehensive, Explosives, CWA
Operating Temperature	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
Dimensions	88.2 x 45.3 x 125.5 mm	212 x 107 x 55 mm	212 x 107 x 55 mm
Weight	0.705 kg	1.55 kg	1.55 kg
Ruggedness	IP67, MIL-STD 810G, IEC 60529 Dust	IP68, MIL-STD 810H, IEC 60529 Dust	IP68 MIL-STD 810H
Connectivity	USB, Bluetooth	USB, Bluetooth, Wi-Fi	USB-C, Bluetooth, Wi-Fi
Battery	Li AA (2): 4 hrs; Swappable PowerPack: 8 - 12 hrs	Replaceable and Rechargeable Li-ion Battery: >5 hrs	Rechargeable Li-ion: >4 hrs; Power Bank: >7 hrs
NOHD	34 cm	45.7 cm	23 cm
Trace Detection	Yes - SERS	No	No