

## VELA A-1

# Handheld LIBS Analyzer

## Aluminum Alloy Version



Aluminum Scraps Sorting



PMI

☆ Based on LIBS technology

☆ No X-ray ionization radiation hazard

☆ No XRF fragile components, long lifetime

☆ Most cost effective solution

☆ Perfect for sorting Aluminum scraps

☆ Lightweight handheld LIBS at 2.75 lbs

☆ Fast, one second single test

☆ Intuitive GUI, minimal training needed

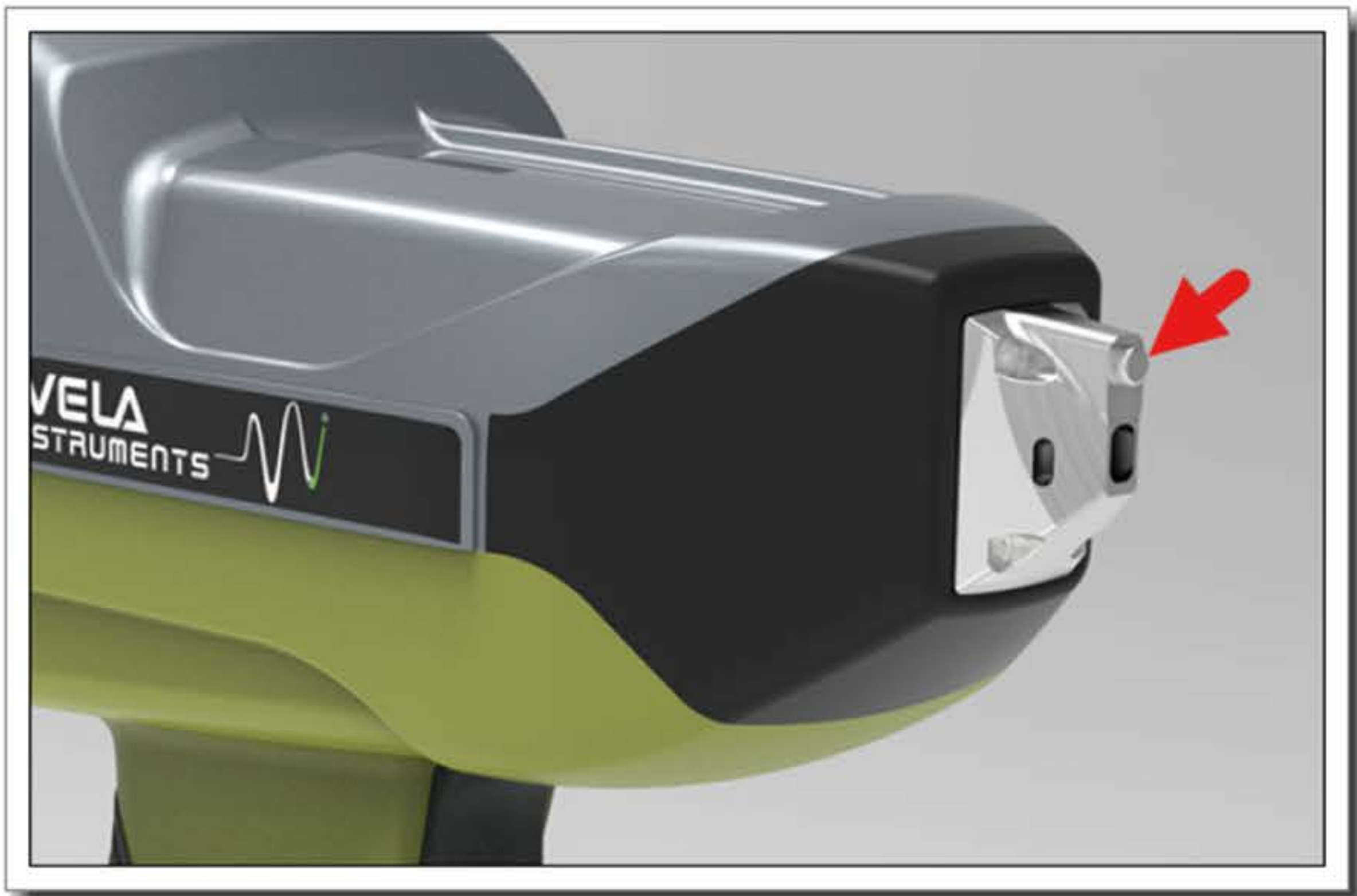
☆ FCC, IC, CE certified

☆ Class 3B laser (IEC60825-1:2014), NOHD < 12"

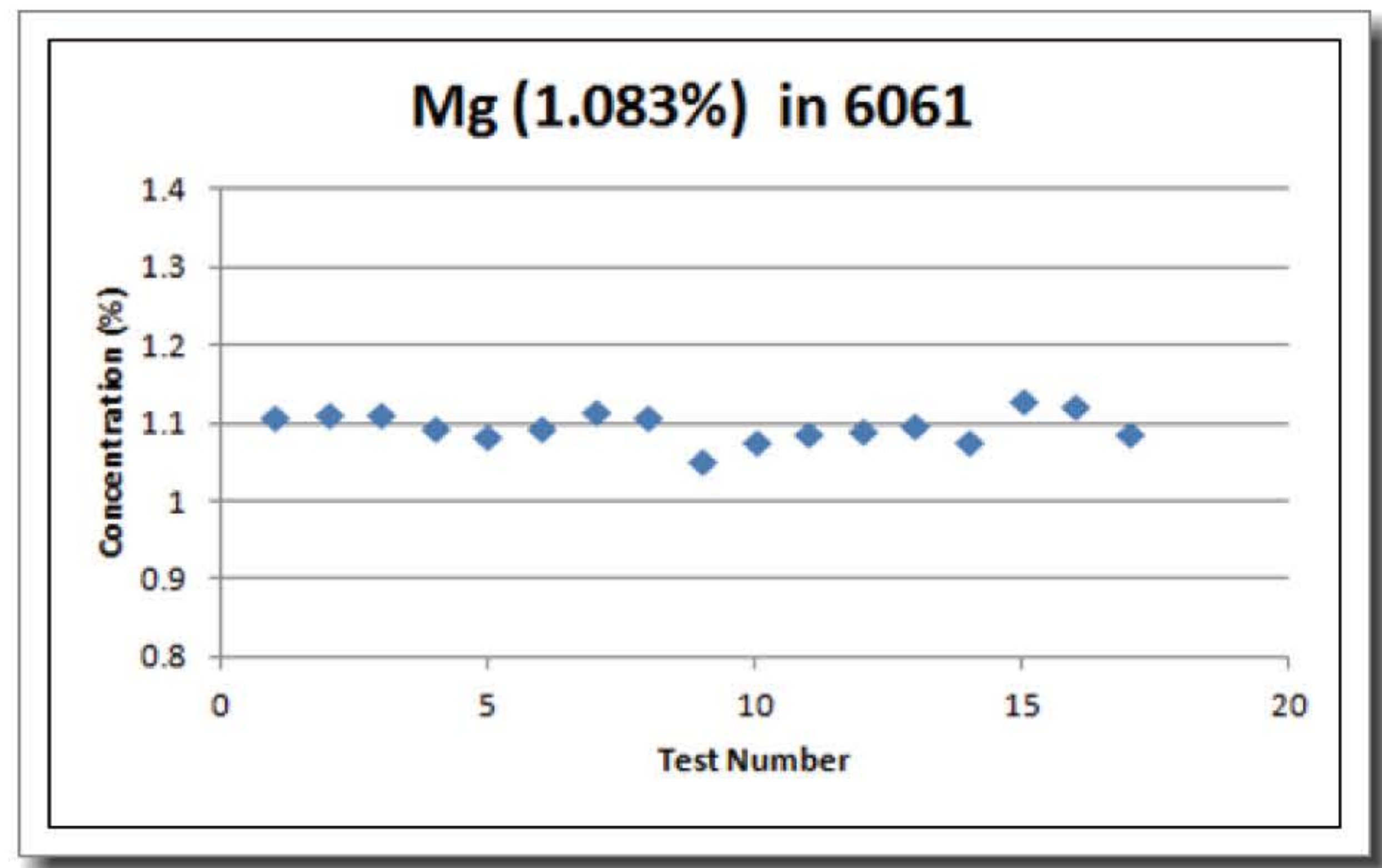
*Request your quote today!*

*Ask for a demo today!*





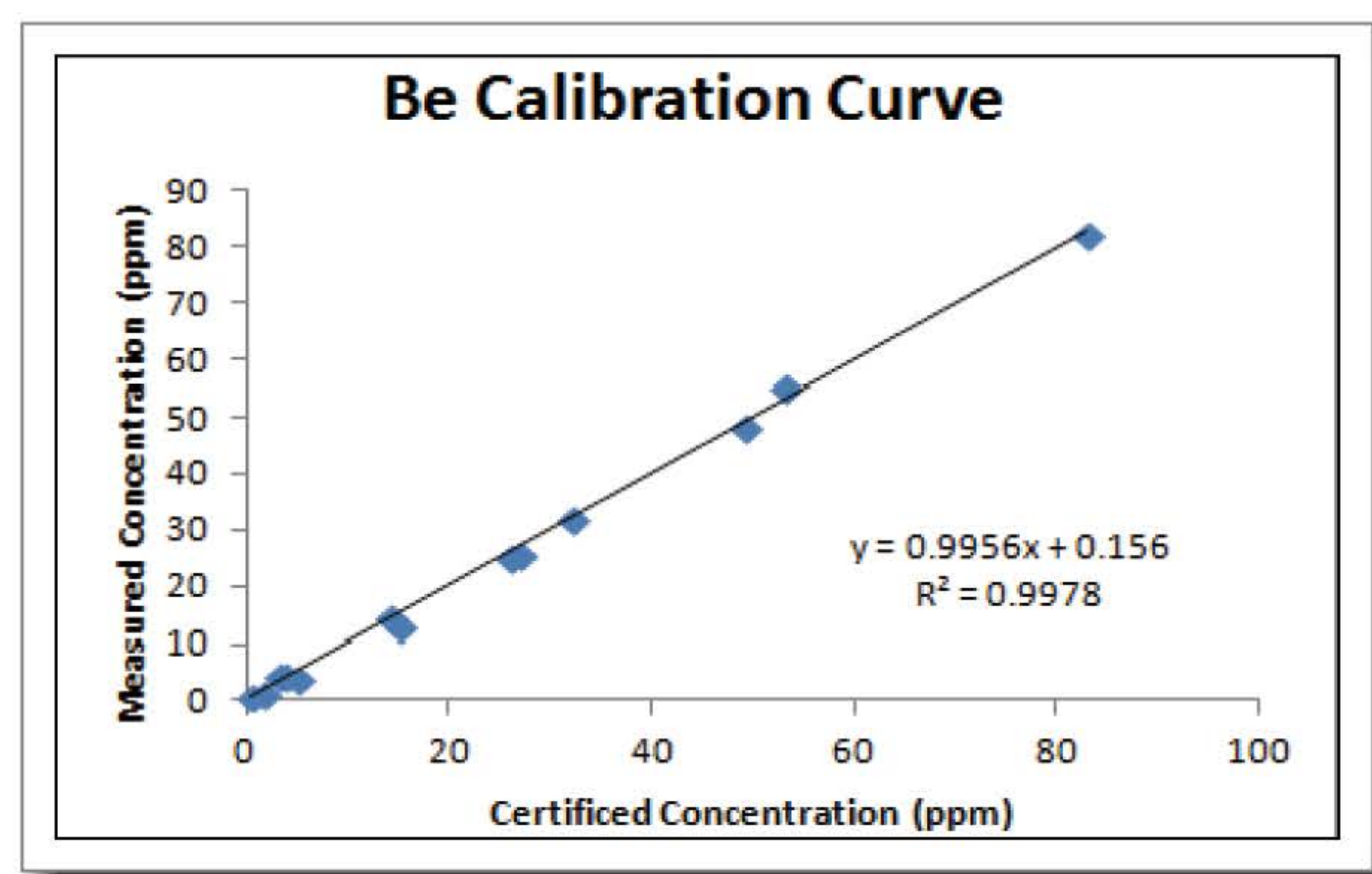
Laser safety interlock button



Full test mode for improved precision



Proprietary battery and accessories



Beryllium sensitivity < 10ppm only in LIBS

<b>Technology</b>	DPSS Passive Q-switched Laser
<b>Dimension (L*W*H)</b>	227*86*234 mm
<b>Weight</b>	2.75 lbs (1.25 Kg) including battery
<b>Battery</b>	14.8V, 3250mAh, 48Wh
<b>IP certification</b>	IP54
<b>WIFI</b>	IEEE 802.11b/g/n 2.4GHz
<b>Bluetooth</b>	Bluetooth 4.0 (BR+EDR+BLE)
<b>Display</b>	4.0 inch Resistive touch screen, 320*480 pixels
<b>Internal Storage</b>	8Gb standard, 16Gb upgradable
<b>Laser</b>	Class 3B, 1064nm
<b>Spectrometer</b>	< 0.2nm resolution, 250~415nm spectral range
<b>Single Test time</b>	~1 second
<b>Alloy Base</b>	Aluminum alloy
<b>Element Capability</b>	Al Be Bi Cu Cr Fe Mg Mn Ni Si Ti Zn ,etc.
<b>Sample Variety</b>	Block, sheet, foil (~0.1mm), large turning
<b>Detection Limit</b>	0.01~0.1%
<b>Temperature Range</b>	0~40 Celsius, 5~35 Celsius recommended

<b>Grade</b>	1000~8000 wrought aluminum and cast aluminum
<b>Library</b>	UNS based, highly customizable
<b>Warranty</b>	One year factory warranty on all parts
<b>Cost</b>	Among the most competitive
<b>Other Features</b>	Easy to use, no extensive training needed Safety, laser interlock, safety harness strap Spot calibration function
<b>Maintenance</b>	Daily sample chamber cleaning Regular calibration using CRM's
<b>Accessories</b>	Bluetooth thermal printer Silicone protective sleeve Leather protective wrap Two-position metal stand Curved face plates for measuring pipes Small fixtures for measuring welding rods Safety harness strap Compact Pelican iM2100 Storm with custom foam



# VELA INSTRUMENTS LLC

## A Handheld LIBS Company

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