



# METAL DETECTORS

## IQ4 Series Metal Detectors

### What Makes the IQ4M the Best Metal Detector

#### Model & Tier

#### Value Proposition

#### Feature

		PREMIUM	CORE	ENTRY
				
		<b>IQ4M</b>	<b>IQ4H</b>	<b>IQ3X (v2)</b>
Improved Detection/ Less False Positives	Technology	Variable Frequency + Multi-Spectrum	Variable Frequency	Simplified Variable Frequency
	Frequencies	10 Bands, 5 Frequencies per Band	10 Bands, 7 Frequencies per Band	4 Bands, 4 Frequencies per Band
	Auto Learn	Yes	Yes	Yes
	Advanced Diagnostics	IQ Analysis, Coil Current, Balance, Enviroscan	IQ Analysis, Coil Current, Balance, Enviroscan	No
	DDS+	Yes	No	No
	Quick Recovery	Yes	No	No
Product Specification	Interface	7" Touchscreen	7" Touchscreen	Keypad
	UI Technology	IQ4-Hybrid	IQ4-Hybrid	Dual Line Display
	Menu Structure	IQ4H	IQ4H	Simplified Dual Line Display
	Access Levels	5 Levels	5 Levels	5 Levels
	PVS	Yes	Yes	No
	Product Memories	200	200	20
	Retail Compliance Capability	Retail or Full Retail Compliance	Retail or Full Retail Compliance	Reject Confirm & Bin Full Sensors Only
	Lamp Stack	Optional Lamp Stack on Conveyor	Optional Lamp Stack on Conveyor	Optional Lamp Stack on Conveyor
	Variant Availability	87 Standard Rectangular Variants Bespoke Sizes Through TE	87 Standard Rectangular Variants Bespoke Sizes Through TE	34 Rectangular Variants No Bespoke Sizes
Designed to Survive®	Liner	Blue Laminate	Blue Laminate	Blue Laminate
	IP Rating	Beyond IP69	Beyond IP69	IP66
	Front Panel Sealing	Blue	Blue	Blue
	Construction	304 Brushed Stainless Steel	304 Brushed Stainless Steel	304 Brushed Stainless Steel
	Warranty	2 Years (head only)	2 Years (head only)	1 Year
Data and Connectivity	Logs	Yes	Yes	Yes
	Reports	Yes	Yes	No
	USB	Yes	Yes	No
	Ethernet	Yes	Yes	No
	TRACS	Yes	Yes	No
	Loma Enet Compatibility	Yes	Yes	Yes via RS422
	OPC-UA	Yes	No	No
Data Security and Integrity	RFID Login	Yes	No	No



- IQ4 Head Only



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## Introducing the New IQ4M Metal Detector

### Precision Redefined



### The Ultimate Choice for Food Safety

#### A Unique Combination of Detection Technologies

- **Variable Frequency:** Don't compromise on frequency selection. Our technology selects the ideal frequency for precise metal detection for a wide variety of products.
- **Multi-Spectrum:** Take multiple looks at your product simultaneously across a range of frequencies to ensure optimum detection of all metal types (Fe, NFe and SS).

#### Improved Detection Capabilities

- **Unique Detection Algorithm:** The IQ4M is powered by a unique algorithm that reduces the size of the signal required to trigger contaminant detection, thus helping find smaller metal contaminants.
- **Dynamic Data Screen ++:** Facilitates more detailed analysis of the product signal for maximum detection performance.



#### GET IN TOUCH WITH LOMA SYSTEMS

Contact us to find out how to enhance productivity and efficiency with the IQ4M metal detector.



#### Enhanced Security

RFID security tags enable faster login and provide enhanced product security and data integrity to keep your operations secure. To safely access, simply tap your RFID tag on the front panel.



#### Information Connectivity

For standardization in sending and receiving data, the IQ4M has the international communication standard of OPC-UA, essential for Industry 4.0 connectivity.



#### Quicker Recovery

The new hardware enables faster recovery from saturation to stabilization, helping to minimize false rejects and maximize efficiency and performance.

[www.loma.com](http://www.loma.com)

1-800-872-LOMA (North America)

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IQ4MCLENV1202502