



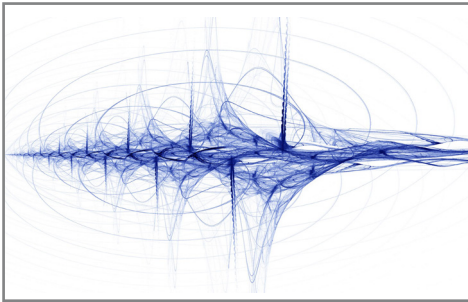
# IQ3X - Rectangular Metal Detector Search Head

Designed for Food and Packaging Industry

The IQ3X metal detector search head with its Variable-Frequency capability is designed to inspect products for metal contaminants in the food and packaging Industries.

## Product Highlights

- User Interface: Dual-Line screen and key pad display with simplified operation
- Auto-Learn feature saves time by easing product set-up
- Simplified Variable-Frequency technology (31 to 517 kHz) provides best detection performance for even difficult to handle metallized-film packaging
- Multiple product memories for rapid product change over and data storage
- A range of aperture widths and heights to suit products being scanned



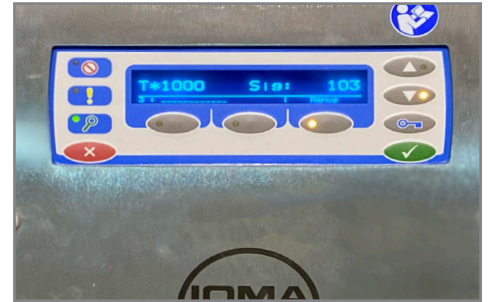
### Variable Frequency Provides the Best Detection Levels

The IQ3X is built on the foundation of Loma's Variable Frequency technology that allows detection levels to be optimised around a range of differing product conditions, including whether they are wet or dry.



### Auto Learn Provides Simple and Fast Set-up

Enter the product details, initiate a learn and the IQ3X is automatically set-up and ready to inspect for contaminants. Fast, simple and accurate.

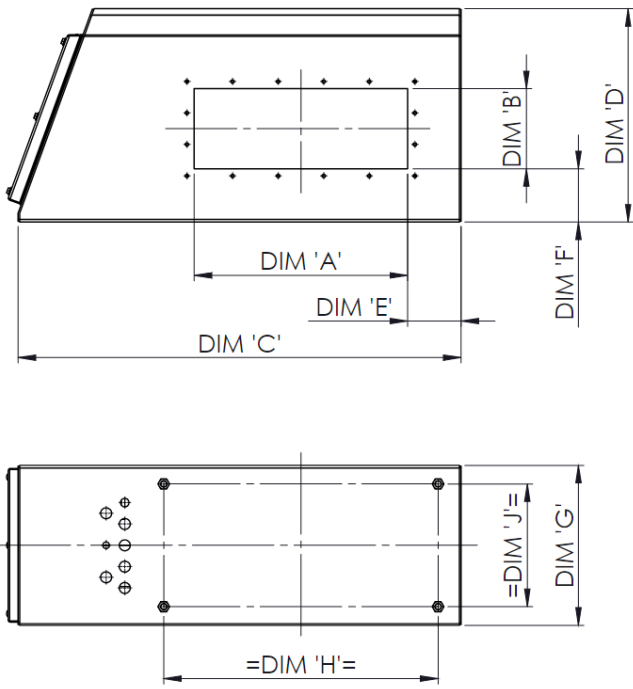


### Simple and Fast Operation with the Keypad Interface

Featuring a dual-line display, the keypad provides quick and easy access to all necessary functions and status indicators



# Technical Specification



Dimension A = Aperture Width  
Dimension B = Aperture Height

Material of Construction	304 Brushed stainless steel
Simplified Variable Frequency	31 to 517 kHz
Supply Voltages	100 to 240 V, single phase 50/60 Hz, neutral & Earth
Power Consumption	20 VA
Temperature Range	-10 to + 40 °C (14 to 104 °F)
Humidity	0 to 95 % Relative Humidity (Non-condensing)
IP Rating	IP66
Product Memories	20
PVS Enabled	No
Communications Capability	<ul style="list-style-type: none"> <li>Serial Communications (RS422)</li> <li>Optional Lantronix Serial to Ethernet converter</li> </ul> Note: Both above are only compatible with Loma ENet. There is no USB, or TRACS or Report capability
Fail-safe Capability	Product Registration, Reject Confirmation and Bin Full Sensors Only

## Head Dimensions

Aperture Width 'A'	250, 350, 450, 550, 650, 750					
Aperture Height 'B'	100	150	200	250	300	350
C	A + 430				A + 530	
D	393	400	450	500	650	700
E	100				150	
F	130	100			150	
G	300		400		500	
H	A + 114					
J	230		330		430	

All dimensions in mm. The table shows the available aperture widths and heights only. Please consult your local representative for any further information.

## Other Features

- Rugged construction using brushed 304 stainless steel
- Unique clam-shell designed case and coil geometry that delivers unsurpassed levels of immunity
- For horizontal or vertical mounting. Vertical mounting will require optional remote control box (specify cable length between 1 and 15 metres)
- Compatible with auxiliary lamp/sounder option on conveyors for 360° view of system status



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