



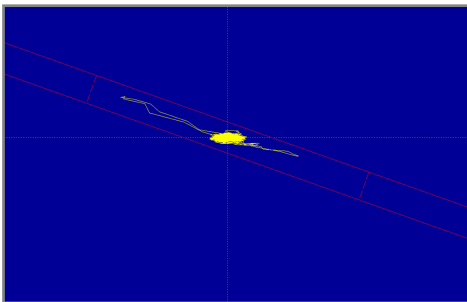
# Insight HDE - Metal Detection Head

Designed for Food & Packaging Industries

The HDE series of multi-frequency detection search heads are designed to inspect products for metal contaminants in the food, pharmaceutical and packaging Industries. They can be purchased as a search head that can be integrated into a larger packaging line or as a standalone conveyor unit with automatic reject stations.

## Product Highlights

- Integrated display and keypad for easy operation
- IP69K environmental protection of head suitable for both high-care and low-care environments
- Multi-frequency detection (100kHz, 286kHz and 875kHz)
- Full range of aperture sizes to suit products being inspected
- Multiple product memories for rapid product change over and data storage
- Extensive data logging and reporting via USB or Ethernet for HACCP and Retail Compliance
- Automatically senses for metallised film packaging and compensates for its impact during product set-up



### DDS Vector Display Delivers Perfect Product Set-ups

The Direct Digital Signal (DDS) vector display provides a graphic representation of the metal detection process and aids product perfect product set-up.



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

The HDE will automatically set-up and store 200 different pre-sets, calibrating for bulk effect and packaging material as each product passes through the system.

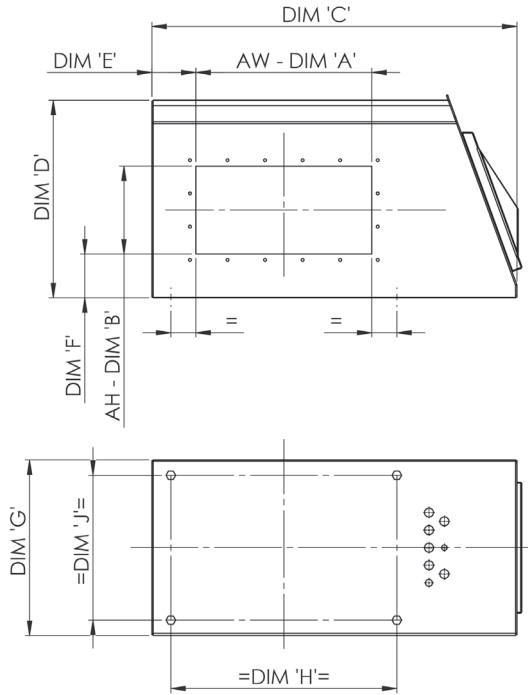


### Robust Food Equipment Design

The HDE is independently verified with an IP69K rating, meaning it is tough enough for wash-down in high-care environments.



# Technical Specification



Material of Construction	304 Brushed stainless steel
Available Frequencies	MultiFreq 100KHz, 286KHz, 875KHz
Supply Voltages	110 - 250V AC 50/60Hz
Power Consumption	20VA
Temperature Range	-10°C TO + 35°C (14°F to 95°F)
Humidity	0 to 95% Relative Humidity (Non-condensing)
Environment	IP69K
PVS Enabled	Yes (Sample Test)
Ethernet Capability	Yes
USB Capability	Yes

## Head Dimensions

Dimension A = Aperture Width (AW)  
Dimension B = Aperture Height (AH)

Dim's																				
<b>B</b>	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550
<b>C</b>	AW + 430	AW + 430	AW + 430	AW + 430	AW + 430	AW + 430	AW + 430	AW + 430	AW + 530	AW + 530	AW + 530	AW + 530	AW + 670	AW + 670	AW + 670	AW + 670	AW + 810	AW + 810	AW + 810	AW + 810
<b>D</b>	392,5	392,5	392,5	400	425	450	475	500	625	650	675	700	825	850	875	900	1025	1050	1075	1100
<b>E</b>	100	100	100	100	100	100	100	100	150	150	150	150	200	200	200	200	250	250	250	250
<b>F</b>	142,5	130	117,5	100	100	100	100	100	150	150	150	150	200	200	200	200	250	250	250	250
<b>G</b>	300	300	300	300	400	400	400	400	500	500	500	500	600	600	600	600	700	700	700	700
<b>H</b>	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114	AW + 114
<b>J</b>	230	230	230	230	330	330	330	330	430	430	430	430	530	530	530	530	630	630	630	630

## Other Features

- Rugged construction using brushed 304 stainless steel
- Unique clam-shell designed case and coil geometry that delivers unsurpassed levels of immunity
- Metal detection, control and signal processing all take place with the compact detector head
- Supplied with OPTIX Software, which is a powerful diagnostic and problem solving tool for engineers and operators
- Multilevel password protection provides secure access, including Operator, Supervisor, Engineer and Administration
- Can be integrated into a conveyor system with a choice of reject options to achieve High Compliance Retail Specification



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